

19980602.qrp v01_n110.qrs.980602

Date: Tue, 2 Jun 1998 19:03:11 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1110

QRP-L Digest 1110

Topics covered in this issue include:

- 1) [12193] FS: T.T. Scout 555
by "C. Leung" <cleung@cln.etc.bc.ca>
- 2) [12194] International Callsigns (Canada)
by "laura halliday" <marsgal42@hotmail.com>
- 3) [12195] bw portable vert
by bkobie@webtv.net (patrick obrien)
- 4) [12196] Pixie2 responses
by "JUNIUS B FOX" <w5hir@gte.net>
- 5) [12197] re: gel-cell, charger...
by Goemans <jgoemans@facstaff.wisc.edu>
- 6) [12198] Re: Your trip to Balto next week
by George Gingell <k3tks@u1.abs.net>
- 7) [12199] Re: Your trip to Balto next week
by Chris Trask <ctrask@primenet.com>
- 8) [12200] Re: gel-cell, charger...
by Paul Helbert <phelbert@rica.net>
- 9) [12201] Argo 509 Sideone
by Ed <edn4pk@voyageronline.net>
- 10) [12202] June 98' "NWQ", now on line
by Bill Todd <bill@willapabay.org>
- 11) [12203] Re: GPS question (not really QRP)
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 12) [12204] Re: HW-7 Receiver improvement
by "John J. McDonough" <jjmcd@mdn.net>
- 13) [12205] RE: QRP on 50 mHz again today
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 14) [12206] RE: Coax dipoles with choke
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 15) [12207] RE: Non QRP VHF help request
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 16) [12208] Comment on Field Day antennas ?
by "rohre" <rohre@arlut.utexas.edu>
- 17) [12209] Re: GPS question (not really QRP)
by "Paul R. Valko" <prvalko@oakland.edu>
- 18) [12210] QRP KITE: SCOTT SLED SKETCH AVAILABLE
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 19) [12211]

- by Fran Flynn <fflynn@together.net>
- 20) [12212] Call for topics, volunteers
by "rohre" <rohre@arlut.utexas.edu>
- 21) [12213] Baggybob has new e-mail
by mike czuhajewski <wa8mcq@abs.net>
- 22) [12214] RAMSEY QRP 40
by donroher@juno.com (DONALD I ROHER)
- 23) [12215] Re: Goin' QRT to catch up
by donroher@juno.com (DONALD I ROHER)
- 24) [12216] Elmer 101: Part 5 - Xmit Bandpass Filter Question
by Dale Scott <dcscott@us.ibm.com>
- 25) [12217] Help: Tektronix 5110
by sigcom@juno.com (Stephen M Smith)
- 26) [12218] Micamold XTR-1 transmitter
by Blackpug1@aol.com
- 27) [12219] Re: Coax dipole questions
by talljazz@teleport.com (Dan Presley)
- 28) [12220] CQ WPX CW CONTEST
by Rogerio Gonzaga <gonzaga@med.up.pt>
- 29) [12221] Please, NorCal team....
by Rogerio Gonzaga <gonzaga@med.up.pt>
- 30) [12222] Re: bw portable vert
by penzo@juno.com (Michael A Penzo)
- 31) [12223] 30 es 6 dx
by Lauri_Frank_J@bns.att.com
- 32) [12224] Another Grand Canyon Expedition
by Armstrongs <barmstrong@mail.SISNA.com>
- 33) [12225] Elmer101: Part 6 yet?
by penzo@juno.com (Michael A Penzo)
- 34) [12226] Call from out of the blue
by "Nick Franco" <kf2ph@bnl.gov>
- 35) [12227] unsubscribe
by "Barbara Spencer" <bspencer@tcjc.cc.tx.us>
- 36) [12228] Grand Canyon Raft trip
by bcutter@teal.csn.net (Bob Cutter)
- 37) [12229] Tuned Feeder Dipole
by Francis Flynn <fflynn@together.net>
- 38) [12230] Band Threat
by John Foote <w3gx@yahoo.com>
- 39) [12231] Super 6M Last Night!
by "Mark S. Adams" <msadams@acsu.buffalo.edu>
- 40) [12232] QSO the GRAND CANYON QRP !
by utahfolk@konnections.com
- 41) [12233] Hamboree 20
by John Burnley <JBurnley@ifmc.org>
- 42) [12234] ODD NOISE/BUZZ
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 43) [12235] Art of Electronics--Lab Manual

by John Bohnert <johnb@elmhurst.edu>
44) [12236] Temp withhold
by "JUNIUS B FOX" <w5hir@gte.net>
45) [12237] WPX 40m
by Monte Stark <ku7y@dri.edu>
46) [12238] Re: Temp withhold
by Monte Stark <ku7y@dri.edu>
47) [12239] How big a battery?....
by AA2Q0@aol.com
48) [12240] Re: SLV FOR FIELD DAY
by David Gauding <david.gauding@bbs.galilei.com>
49) [12241] Re: How big a battery?.... (long)
by Andy Fox <foxes@theriver.com>
50) [12242] 'scope manual (fwd)
by Bruce Ratray <rattray@gpfn.sk.ca>
51) [12243] This List
by Brian Murrey <brian@iquet.net>
52) [12244] Re: AADE L/C IIB URL
by ka7you@juno.com
53) [12245] QRP DAY CONTEST
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
54) [12246] RE: Rigs & Books
by "Jerry McCollom" <jmc@cnd.hp.com>
55) [12247] ATS 818 Lives! 160 M short Loop thoughts.
by Ed Loranger <we6w@qsl.net>
56) [12248] 1997-1998 Foxhunt Fireside Literature Awards
by "Michael A. Gipe" <mgipe@reliablemeters.com>
57) [12249] White Mountain SSB Kit
by Gary Wilcox <rwilcox@newton.cacky.com>
58) [12250] Ft Tuthill QRP Group Camping
by Bob Hightower <ki7mn@dancris.com>
59) [12251] RE: Rigs & Books
by "Jerry McCollom" <jmc@cnd.hp.com>
60) [12252] Field Day '74 with a HW-7 {long}
by wa5whn@juno.com
61) [12253] WPX qrp from VE7, and bye for now.
by Paul Erickson <paul1@wizard.ucs.sfu.ca>
62) [12254] Re: 1997-1998 Foxhunt Fireside Literature Awards
by Ed Loranger <we6w@qsl.net>
63) [12255] Kites
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
64) [12256] Kites
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
65) [12257] Field Day List
by camqrp@cyberg8t.com (Cam Hartford)
66) [12258] QRP-L assumptions
by "Bob Kellogg" <ae4ic@nr.infi.net>
67) [12259] SST key-down pop

- by John McKee <JMcKee@RFMD.com>
- 68) [12260] GPS question results
by Vic Rosenthal <rakefet@rakefet.com>
- 69) [12261] 38s audio mod
by "Jay Heffner" <cjayheff@erols.com>
- 70) [12262] Euramcom Equivalents
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 71) [12263] Re: GPS question results
by Chris Cartwright <ccart@dns.vidtel.com>
- 72) [12264] 2m repeaters in Barcelona?
by jim nestor <nestoji@home.com>
- 73) [12265] Re: Elmer101: Part 6 yet?
by Michael Maiorana <mikemo@ibm.net>
- 74) [12266] Re: Field Day List
by wd4et@juno.com
- 75) [12267] Lift tables for balloons
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
- 76) [12268] Lost Foxii
by Bob Patten <n4bp@bc.seflin.org>
- 77) [12269] RFI: Tower guying tips
by John Evans - N0HJ <jaejans@codenet.net>
- 78) [12270] Gel Cell battery response
by Tim English <tje@usol.com>

Date: Mon, 1 Jun 1998 16:14:39 -0700
From: "C. Leung" <cleung@c1n.etc.bc.ca>
To: qrp-l@Lehigh.EDU
Subject: [12193] FS: T.T. Scout 555
Message-ID: <103110702b198cc318d6c@[199.60.32.99]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am posting this for a friend who doesn't have e-mail.

For Sale:

- Ten Tec Scout 555.
- N.B. hand mic.
- all the band modules.
- mobile mounting bracket.
- single lever paddle.

All of the above are Ten Tec products. All for \$500 US.

If anyone is interested, please e-mail me direct and I will give you his phone number.

Thanks.

Date: Mon, 01 Jun 1998 16:39:12 PDT
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [12194] International Callsigns (Canada)
Message-ID: <19980601233913.19482.qmail@hotmail.com>
Content-Type: text/plain

Yes, the current allocations for Canada are CFA-CKZ,
CYA-CZZ, VAA-VGZ, VOA-VOZ, VXA-VYZ and XJA-XOZ.

Amateur stations generally use VE calls, except in areas
like Ontario where VE3 calls are running short so they use
VA3 as well. Some other areas use VO and VY calls, and
there are special allocations, like CY9 for Sable Island.

We use CFA-CKZ for, among other things, broadcast stations.
Except for the CBC, which use CBxx calls - not allocated
to Canada, but I've never heard of anybody objecting. There
are three broadcast stations in Newfoundland with VO calls,
founded before Newfoundland joined Canada.

VAA-VZZ is so heavy on Commonwealth countries that it was
probably initially assigned to British overseas possessions.
Canada's foreign policy was through Westminster until 1931...

Industry Canada are fond of authorizing special event calls,
especially if it commemorates something Canadian. These may
be for anything from an individual to the entire country,
in which case they publish a mapping table. For example, to
commemorate the 125th anniversary of the founding of the RCMP,
Canadian amateurs are authorized to use special calls from
0000Z 15 May to 2359Z 15 July this year. VE7LDH would become
VX7LDH. Such calls are always voluntary.

Way back when, XM was the prefix for GRS (a.k.a. CB). Before
becoming the prefix for New Brunswick, VE9 was the prefix
for experimental stations, like a famous early TV station
in Saskatoon.

Our calls are marked for geography only, not for license
class. Also, while VE is allocated to Canada, what comes
after it is Canada's business, and is not subject to ITU
regulations.

Laura Halliday VE7LDH "Laisse le vent tout emporter..."
Grid: CN88hk IOTA: NA036 - Foly/Viennet

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 1 Jun 1998 18:42:04 -0500
From: bkobie@webtv.net (patrick obrien)
To: qrp-1@Lehigh.EDU
Subject: [12195] bw portable vert
Message-ID: <199806012342.QAA03117@mailtod-132.iap.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

has anyone ever ued the b&w vertical(portable whip)attached to
windowsill -change coils...for qrp operations with any success? tnx
73/pat/k8len

Date: Mon, 1 Jun 1998 18:42:49 -0500
From: "JUNIUS B FOX" <w5hir@gte.net>
To: <qrp-1@Lehigh.EDU>
Subject: [12196] Pixie2 responses
Message-ID: <01bd8db6\$fc590a60\$ee6afed0@w5hir.gte.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who responded to the question concerning the xtal for the
Pixie2. Okay.. I can get the ones that I want.. I just needed to verify
that the kits were indeed complete...tks everyone..

Foxy
If it ain't broke, don't mess with it!

Date: Mon, 01 Jun 1998 19:02:42 -0500

From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-l@Lehigh.EDU
Subject: [12197] re: gel-cell, charger...
Message-ID: <199806020002.TAA56300@mail1.doit.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,

For those who missed it, the new TechAmerica catalog supplement is selling a "Rechargeable Portable Power Station" containing an 8 AH gel-cell, metered, with wall-wart charger, "jumper cables", and dc adaptor cord for \$29.95. Sounds good to me! cat. # 980-0626
Prices in flyer good thru 6/3/98. Try 800-877-0072 or www.techam.com

72, Paul

Paul R Goemans WA9PWP
1508 Sundt Lane
Stoughton, Wi. 53589-1069 608-877-4151
QRP ARCI 7291 NorCal 1226 QRP-L 127 FISTS 2153 G QRP 9879

Date: Mon, 1 Jun 1998 20:12:15 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: Chris Trask <ctrask@primenet.com>
Cc: mike czuhajewski <wa8mcq@abs.net>, Bruce Musolino <w6toy@erols.com>, Scott Rosenfeld <ham@w3eax.umd.edu>, Scott Bauer <ke3nv@erols.com>, Craig Sterling <cjsterl@ix.netcom.com>, Chris Cartwright <ccart@dns.vidtel.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [12198] Re: Your trip to Balto next week
Message-ID: <Pine.BSI.3.96.980601200610.3389C-1000000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have more of the Flyers, the question is how to get them to you in time. Maybe I could mail a batch to the Hotel? Since it is Monday Evening 6/1/98 I am assuming that you are in town now? If the Get together occurs before Thursday They might be passed along then. Problem is I don't think I can make Wednesday Night as I have a Church Assignment scheduled. I could probably make it Tuesday Evening. Or if Mike or One of the Others could contact me I may be able to get som of the Yellow or Hot Pink Flyers packaged up along with a few Sample Issues.

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Maryland Milliwatt Club QRP Reference Library, (301)572-6789

Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

On Mon, 1 Jun 1998, Chris Trask wrote:

> On Sun, 31 May 1998, mike czuhajewski wrote:

>

> > Chris T, I presume you're still slated to come to Balto next week to

> > present your paper at the IEEE MTT-S at the convention center. I'm

> > trying to get my company to let me go to see the exhibits on company

> > time, but I'll be wandering the aisles even if I have to take leave.

> >

> > A while back you indicated that you'd be available some night for a QRP

> > Out of Towner Supper--is that still the case? Think you said you'd have

> > wheels, too, which will be a big help.

> >

> Yes, it's still the case. I'm arriving late Sunday and leaving

> early Friday. My paper is on Thursday afternoon. We changed our hotel

> arrangements so that we did not need wheels. The travel agency had

> originally put out 'way out by Mount Vernon, of all places.

>

> >

> > If still available, please let me know and we can work something out.

> > Would Olive Garden be acceptable? We often use the one in Laurel, which

> > is about half way between Balto and DC. Makes for a good, convenient

> > location--not too far for most of the Hard Core (which is the CC line).

> >

> Anything that is convenient with everyone else would be just fine.

> I'm looking forward to meeting with yourselves and a number of other

> people at this convention.

>

> BTW: George sent me a couple of electric yellow QRP-ARCI

> membership forms with my two mouse pads, one of which is here at my

> desk. Could I get some more to place at my presentation area? There

> will undoubtedly be a number of people curious about ARCI, and it

> would be a good opportunity to introduce others to the club.

>

> >

> > I still think it was incredibly BONE HEADED, whoever set the dates, to

To: George Gingell <k3tks@u1.abs.net>
Cc: mike czuhajewski <wa8mcq@abs.net>, Bruce Musolino <w6toy@erols.com>, Scott Rosenfeld <ham@w3eax.umd.edu>, Scott Bauer <ke3nv@erols.com>, Craig Sterling <cjsterl@ix.netcom.com>, Chris Cartwright <ccart@dns.vidtel.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [12199] Re: Your trip to Balto next week
Message-ID: <Pine.BSI.3.96.980601171458.3367A-1000000@usr05.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 1 Jun 1998, George Gingell wrote:

> I have more of the Flyers, the question is how to get them to you in time.
> Maybe I could mail a batch to the Hotel? Since it is Monday Evening
> 6/1/98 I am assuming that you are in town now? If the Get together occurs
> before Thursday They might be passed along then. Problem is I don't think
> I can make Wednesday Night as I have a Church Assignment scheduled.
> I could probably make it Tuesday Evening. Or if Mike or One of the Others
> could contact me I may be able to get som of the Yellow or Hot Pink Flyers
> packaged up along with a few Sample Issues.
>

Not a problem. I can make all the copies I want right here and have them with me.

```

      ,-----,
      /  What's all this  \
      / extinct stuff, anyhow? \
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oo\
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```

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Mon, 01 Jun 1998 21:11:29 -0400
From: Paul Helbert <phelbert@rica.net>
To: jgoemans@facstaff.wisc.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [12200] Re: gel-cell, charger...
Message-ID: <35735141.752C4E43@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Paul et al,

I hope you are right in interpreting the Tech America back page ad to be an eight amp-hr battery. The ad says "...8-amp/hour output...", which could be supplied (for a limited time) by almost anything.

Maybe a call to their customer service number would get this question resolved. I'd do it, but my service provider has been flaky lately and I might not be able to get back on line with the answer. I'll anxiously await a follow up via this list.

72,

Paul, Wv3j

Date: Mon, 01 Jun 1998 21:18:59 -0400
From: Ed <edn4pk@voyageronline.net>
To: Qrp <qrp-l@Lehigh.EDU>
Subject: [12201] Argo 509 Sideone
Message-ID: <35735303.99E83C66@voyageronline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone know the fix to a sick sounding sidetone in an Argonaut 509? Just picked one up and with the bug the sidetone sounds fine....However with the CMOSIII or the G4PKT keyer the sidetone really sounds sick. The keying is fine, just what I hear isnt...Any thoughts..suggestions ??
Ed N4PK

Date: Mon, 01 Jun 1998 18:18:10 -0700
From: Bill Todd <bill@willapabay.org>
To: qrp-1@Lehigh.EDU
Subject: [12202] June 98' "NWQ", now on line
Message-ID: <1.5.4.32.19980602011810.0071ee78@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello fellow QRPers -

The NorthWest QRP Club's "NWQ" Newsletter is up on my web site for all to read (and hopefully...ha) enjoy. This issue has many interesting articles that should be of interest to you, including:

Field Day 1998' - USA Club Activity Roster

Ward Silvers' DX article

Sporadic E techniques

Spring Lightning Protection

An open Letter to the ARRL
(re. digital QRM on 30 meters)

NA5N's ideas on "Why I Am A QRPer"

and a great article on
Small Loop Antennas (with graph & photo)

Note: Look for this "graphic quality" newsletter on my personal web page (you'll see the address at the bottom of this post). Our official NW QRP Club Web Page should have the "easy HTML" version up and running within a few days.

I hope you enjoy the articles.

72's, Bill-N7MFB

"NWQ" Editor

--

<http://www.willapabay.org/~bill>

ICQ me at #8926298

Date: Mon, 01 Jun 1998 21:24:03 -0400

From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>

To: rakefet@rakefet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [12203] Re: GPS question (not really QRP)
Message-ID: <35735432.B87080CC@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Garmin GPS II/II+ I have 4-5 of them. Should cost abt \$130.

Henry

Vic Rosenthal wrote:

> I'm sorry to take up BW for this, but I _know_ I will get a good answer here:
>
> I want to get a cheap GPS receiver to take with me on a little hiking / camping
and,
> yes, QRP operating trip I'm taking with my son. I don't know the first thing
about
> this, other than the fact that prices go from reasonable to astronomical (so to
> speak). So, experts, which one do I want (cheap, simple, but good)?
>
> Vic, K2VC0

Date: Mon, 1 Jun 1998 21:44:14 -0400
From: "John J. McDonough" <jjmcd@mdn.net>
To: <zlau@arrl.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [12204] Re: HW-7 Receiver improvement
Message-ID: <199806020233.2845300@midland2.mdn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Zack Lau <zlau@arrl.org>; owner-qrp-1@Lehigh.EDU
>
> It isn't very good to begin with, and increasing signal levels
> makes it worse. It isn't unusual to find gutted HW-7s. If you
> happen to a mint condition HW-7, you might save/sell it as a
> collectors item and get modern design for everyday use.--Zack Lau W1VT

I wouldn't be quite so harsh. I have an unmodified HW-7 I built 25 years

ago (well, a few months shy of 25 years), and I dragged it out a couple of months ago and had a lot of fun with it. I couldn't get much power out (maybe electrolytics shot? Who knows) but it was still a LOT of fun. OK, the receiver ain't all that red hot, and I wouldn't trade my IC-706 for one, but there's still a lot of fun left in those old radios.

I think you ARE right about increasing signal levels - that would be exactly the wrong thing to do with that rig. Anything will overload the thing. What it needs is some front-end selectivity. But still, a great old radio for what it cost at the time (and no, I'm not looking to sell mine!)

If Mike is looking for a quick improvement, I would suggest some sort of vernier on the preselector. That's probably the quickest way to improve the receiver and it's cheap. And an antenna tuner in front of it helps a whole bunch! There is a web page out there with a bunch of mods - but I've never tried them. Don't know the URL offhand but I seem to recall a link from the QRP-L website.

72/73 de WB8RCR

Date: Mon, 1 Jun 1998 21:48:35 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-L@Lehigh.EDU>
Subject: [12205] RE: QRP on 50 mHz again today
Message-ID: <01bd8dc0\$2c8fc9e0\$07199e03@luis>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

6 meters opened today again... could get first time reply from some stations while running just 1 watt !
C02LP, C02RK,C02YY,C02KG,CM2KC,C020J and C02KK enjoying the
6 meter E skip season now... only Oscar C020J and myself are running more than 10 watts !!! Others are "true" QRP !
Arnie Coro C02KK

P.S. I CAN run up to full blast from pair of 6146's B with 800 volts on plate, but
99 percent of the time, I run them at 10 watts (very easy... just remove the
screen voltage with a switch and turn those bottles into sort of very poor triodes !!!)

Thought this would be nice to pass along to owners of those vintage rigs if they want to operate QRP and prolong life of tubes !

Date: Mon, 1 Jun 1998 22:23:26 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-1@Lehigh.EDU>
Subject: [12206] RE: Coax dipoles with choke
Message-ID: <01bd8dc5\$0aefbfc0\$07199e03@luis>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

LOW COST choke that works !
YES AMIGOS ! No need to buy expensive TOROID to wind the coaxial turns needed to make those nice coax dipoles work.
The core of TV or MONITORS Flyback transformers seem to do the JOB... and do it pretty well too.
Have still to test up to 50 mHz... that will be done tomorrow first thing in the morning... but on 15 meters it certainly does work...
Very easy to build antenna can be positioned as sloper, offering slight gain in the direction that it is sloping at 30 to 45 degrees, provided that it has a metal mast or tower behind...
So, if you have some burnt out flybacks... just remove the windings and use them to make your low cost coax dipole with RFC made from the defunct TV or monitor Horizontal output transformer !
Arnie Coro C02KK

P.S. My understanding is that the cores of those flybacks is made of some type of FERRITE material, just what you need to stop that RF from flowing back to the shack ...

Date: Mon, 1 Jun 1998 22:25:53 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-1@Lehigh.EDU>
Subject: [12207] RE: Non QRP VHF help request
Message-ID: <01bd8dc5\$627a5520\$07199e03@luis>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone here knows how to subscribe to the VHF list or reflector
at W6YX Stanford. EDU ???
Was told that it's good during actual 50 mhz and higher bands openings
Arnie Coro C02KK
e-mail : inforhc@mail.infocom.etecsa.cu
Thanks for the help... as I am new to this, please provide step by step
procedure on how to ...

Date: 1 Jun 1998 21:26:17 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-1@Lehigh.EDU
Subject: [12208] Comment on Field Day antennas ?
Message-ID: <n1315386105.51578@msmailgw1.arlut.utexas.edu>

There are no dumb questions.

On antennas we can constantly learn.

The field day antenna that was proposed to have one vertical quarter wave and one along the ground will be a form of the Ell antenna. This is used on sailboats where the mast and wood sail boom might be used to support such an arrangement.

One could probably get more efficiency by doing as they do on the boats, and elevating the horizontal "radial" portion of the antenna. At least, by having the radial above physical earth, you remove the high current feed point from the ground loss area it sees when right on earth.

Such single radial verticals will favor a direction in line with the radial. As someone else stated, you can radiate more in other directions, by using more radials. But, for field day, you might consider that by not having multiple radials, you might give some favor to the single radial direction, and thus gain some reduction in interference in the directions that do not have the radial. Perhaps some with models can comment. Sometimes it is just as important to not have gain in some direction of interfering signals as it is to have strong signals.

For reduction of overall noise level, try sleeving the feed line in a conductor, or even trying the cable choke idea out some quarter wave away

from the feed point on the coax.

As to use of kites and balloons, remember that Edsel Murphy is always in attendance at Field Day. Reliance on a balloon for one site we had one year was quickly ended by a neighborhood boy's BB gun!

And you might get bad winds or storms, making a kite problematical. Have an alternate to any antenna support you think of using.

If you usually set up at the seaside, a kite can almost always be flown.

Consider some other antenna supports you might use. With some light nylon twine, you could easily guy some 40 feet of TV mast sections that slip into one another. What about sleeving PVC pipes together to be more rigid, and joining them with couplings that have bolt holes drilled to make an easily assembled mast? Then there is the 40 foot A frame that was in ARRL handbook for years. How about doing something like that from 1 X 2's and using an inverted Vee? W6RCA had a clever idea that I have not seen anyone try: an inverted vee, with a third wire, as a sloping director at 90 degrees to the Vee dipole, with the top attached to the same mast.

Remember on Field Day, you can get by with lighter antenna wire without enough loss to worry about. But, you should consider the forces of wind and use large enough wire to be strong. And a tuner adds one more piece of equipment to carry to the field, if you are trying to cover the band using magnet wire antennas.

Also to be considered is the pressure of limited time to set up an elaborate antenna system. Make a list of all you will need, and stage things in boxes, so you will have all the supplies and parts together. Antennas can be made up with the insulators attached and rolled on empty wire reels, or even those electric cord reels from Home Depot and similar hardware stores. Make a tool list, and bring supplies to repair broken connectors, etc. If at all possible, for kite and balloon projects try it out before Field Day !

And best of luck and let us know what worked!

72, Stuart K5KVH

Date: Mon, 1 Jun 1998 22:37:00 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Vic Rosenthal <rakefet@rakefet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [12209] Re: GPS question (not really QRP)

Message-ID: <Pine.OSF.3.95.980601222933.14984A-100000@saturn.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 1 Jun 1998, Vic Rosenthal wrote:

> I want to get a cheap GPS receiver to take with me on a little hiking /
> camping

<snip>

At Dayton, I purchased a Garvin GPSIII. It's NOT cheap (\$350) but I want to tell you it is (auguably) the COOLEST thing I've ever bought. For a technodweeb like me, it is just jaw dropping when I think of all the technology in that little box!

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics

<http://www.acs.oakland.edu/~prvalko>

ObQRP: Use the GPS to find some cool backwoods place for QRPTTF. TMW night, the USECA Amateur Radio club will do their June meeting and discuss what will probably be the largest QRP Field Day in history. I heard talk of 20A QRP!

Date: Tue, 2 Jun 1998 02:34:53 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [12210] QRP KITE: SCOTT SLED SKETCH AVAILABLE
Message-ID: <19980602023453.NBXZ20489@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just re-sketched the thing and typed up some advisory notes. It's a simple, inexpensive kite for work or for fun. Can't find much in the way of history or ref's. I'll FAX them to interested parties, or provide hardcopy for S.A.S.E. 72 =s=
Seab Lyon, AA1MY, Beacon, NY, USA
ARRL; QCWA; ACRI# 9253; QRP-L#574;
NEQRP# 511; Pres., C.A.R.A.:

<http://www.danbury.org/org/cara/>

Date: Mon, 1 Jun 1998 22:37:40 -0400 (EDT)
From: Fran Flynn <fflynn@together.net>
To: qrp-1@Lehigh.EDU
Message-ID: <199806020237.WAA13541@sequoia.together.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Doug - You asked;

>"Has anyone here successfully made an dipole by peeling the outer
>shield of the appropriate length of coax back on itself? If so, any
>hints on how to make it happen?"

>Not exactly what you are looking for, but close; recent copies of The ARRL
>Handbook and ARRL Antenna Handbook have plans for a similar antenna which
>uses the outside of the coax rather as the second half of the radiator
>rather than peeling back the coax. This length is isolated with a choke
>made by winding the coax in a coil. They are called "resonant feedline
>dipoles" or something similar.

>I have not made the antenna you describe, or the one in the Handbook, but I
>can see where they might be tricky to get working. Since the upper and
>lower radiators are of different diameters, they need to be of different
>lengths to achieve resonance. Also, it seems like the diameter of the
>folded back portion has to be larger to be folded back over the lower
>section and hence the length will be smaller than the portion it has peel
>peeled back from.

I just put one up for 30m. It's called a tuned feeder dipole and it relies on the theory that the current on the inside of a coax shield can be different from the current on the outside. I presume this is the ''skin effect'', so at RF, the inside and the outside of the coax shield are effectively isolated from each other. Kind of a neat concept to try and think about.

Anyway, I saw it in the 1997 ARRL handbook, put it together and pulled it up over a tree at 30'. It had a 1:1 swr right from the first, works just fine, try one. You can't beat it for it's simplicity. I think it would be good for camping or FD.

73, Fran KM1Z

Date: 1 Jun 1998 21:40:31 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@Lehigh.EDU
Subject: [12212] Call for topics, volunteers
Message-ID: <n1315385245.2869@msmailgw1.arlut.utexas.edu>

Austin Summerfest is the traditional later summer ham Convention for Central Texas. It is also the meeting of the VHF FM Society of Tx, and thus many VHF and new hams come and may be exposed to HF QRP for the first time.

This year, it will be Fri. July 31 and Sat. Aug. 1.

For the past several years a strong QRP showing has been made with a Forum on Sat. with both local and out of town talent rounded up by Ed N5EM, and Stuart K5KVH.

We have had Chuck, K5FO and others of the NorTex gang come down, Ed from Houston, and locals who all help put on the show.

There is always a more general spread of the ham population at this QRP forum, thus it is good to have a number of things to interest those who might not yet be active in the QRP movement. Those who have attended in the past know that we have had non conventional program bits, like a poster session on the horizontal Vee antennas, a live building demonstration with a rig raffled off after Ed built it, etc.

Now you can help me with your ideas. What topics would those of you who are regulars on the QRP-L circuit like to see in a forum, and what about you newer folks and lurkers, too? You may reply by private email to me, or post to the list. What are your favorite topics in QRP? What would you like to learn more about? Can you come and give YOUR favorite? Naturally, we have some things in the discussion level, but let's hear from you experts and avid newcomers as well.

Just direct any private posts to Stuart K5KVH, <rohre@arlut.utexas.edu>

Thanks and 72,
Stuart

Date: Mon, 01 Jun 1998 22:46:06 -0400

From: mike czuhajewski <wa8mcq@abs.net>
To: k8cv@juno.com
Cc: QRP forum <qrp-1@Lehigh.EDU>
Subject: [12213] Baggybob has new e-mail
Message-ID: <3573676E.47E3@abs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, this is QRP related, since this guy sells a lot of surface mount parts at very good prices (and no, I don't get a finders fee or kickback!) and I've dropped well over a hundred dollars on him over the last 4 years at Dayton. Although the best he does with resistors is a ten dollar pack of a thousand pieces, 20 per value and nothing over 390K, he has an excellent assortment of capacitors across a wide range of values, certainly enough good values to make a QRP rig. (And he also has a number of silver mica surface mount caps, which even he admits is an odd one!) And he has the best prices I've seen on caps yet. He also has some semiconductors, as well as a few inductors. I believe he also has some tuning diodes.

He's in Wisconsin, not Ohio as K8CV said in his recent post. He does have a new e-mail address: baggybob@execpc.com.

I'll ask him if he's updated his list in the last several months. I did note that he had some SMD parts at Dayton that were not on the last list, but don't know if he had them in any significant quantities. If he has a new one, I'll announce it and e-mail it to those interested.

--

73 and Queue Our Pea de WA8MCQ wa8mcq@abs.net

Date: Mon, 1 Jun 1998 20:30:07 -0700
From: donroher@juno.com (DONALD I ROHER)
To: qrp-1@Lehigh.EDU.otherstuff
Cc: qrp-1@Lehigh.EDU
Subject: [12214] RAMSEY QRP 40
Message-ID: <19980601.203014.6398.1.DONROHER@juno.com>

HAS ANYONE ANY MODS FOR THE RAMSEY LINE OF QRP XMTRS.

DOLLAR FOR DOLLAR THESE ARE GUD LITTLE RIGS. THEY HAVE NICE FILTERING AND A BLANKING CIRCUIT FOR THE RECEIVER. I USED THIS RIG WITH A RADIO SHACK DX-394 FOR MY FIRST 1000 MILE PER WATT CONTACT.

I GAVE ONE TO MY FRIEND PAUL, WHO LIVES ON WRANGELL ISLAND YEAR ROUND AND HE USES IT WITH A DRAKE RECEIVER AS HIS ONLY HF XMTR.

I STILL CAN DEPEND ON THE STATION FOR A CONTACT EVERY TRY. (SOME TRIES ARE LONGER THAN OTHERS, BUT STILL AVERAGE TWO HOURS.) NOTE: MINE HAS A CRYSTAL BANK WORTH MORE THAN THE KIT COST, ALLOWING ME TO COVER THE WHOLE 40 MTR BAND.....

BUT IN REAL LIFE THE 2N3053 FINAL IS ONLY WORTH ONE WATT WHEN PUSHED HARD AT 14 VOLTS, DAY TO DAY ON A 12 VOLT BATTERY SUPPLY PLAN ON 750 MILIWATTS AT 12.32 VOLTS OR 60% CHARGE.

I HAVE TWO OF THE PEA NUT WHISTLE TWO XMTRS FOR FORTY AND THEY WORK WELL. THE OUTPUT OF TWO WATTS AS CLAIMED, I HAVE NOT GOT..... BUT FOR THOSE STARTING IN QRP WITH A GOOD RECEIVER THIS IS A GOOD BUY AND PRODUCES A LOT OF FUN. FIRST CONTACT WAS 1240 MILES.

FOR THOSE INTERESTED I JUST FINISHED THE TEN-TEC ECONOMY KEYER USING THE OLD TRIED AND TRUE COCK ROACH OF TIMERS, THE 555 CHIP. GOES TOGETHER NICE, LOOKS GOOD, I DID ADD IC SOCKETS TO MAKE THE CHANGE TO LOWER CURRENT DRAW CHIPS LATER, WORKS WELL, TAKES A BIT OF GETTING USED TO FOR THOSE OF US USING CURTIS CHIP KEYERS.

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Date: Mon, 1 Jun 1998 20:52:30 -0700
From: donroher@juno.com (DONALD I ROHER)
To: vole@primenet.com
Cc: qrp-1@Lehigh.EDU
Subject: [12215] Re: Goin' QRT to catch up
Message-ID: <19980601.210025.6398.2.DONROHER@juno.com>

JOE....

WE WILL BE ON WRANGELL ISLAND JUNE 26 FOR FIELD DAY.... FIELD DAY WILL PROBABLY INTERFERE WITH YOUR ADMIN WORK ANYWAY.

WE WILL WORK 28.440, 28.110, 7.110, 7.112. WE WILL LISTEN ON 7.140 FOR

OPENING AND CALLS. WE REALLY EXPECT THE QhemRoids TO BLOCK THE USE OF 7.110 DURING THE WEEK END. OUR NORMAL OPERATION IS TO KEEP A RECIEVER ON 7.140 CONTINUALLY.

WE WILL POWER UP AT 5 WATTS, TWO WATTS AND 750 MILIWATTS FOR THOSE WHO NEED IT.

On Mon, 1 Jun 1998 14:33:49 -0700 (MST) Joe Gervais <vole@primenet.com> writes:

>
>Howdy again,
>
>I'm going to be off the air and off QRP-L for a
>few weeks while I catch up on email/work/deadlines/
>QRP chores. My old Sergeant Major would refer to
>this as an "administrative stand-down". :-) I'll
>still check private email in case any questions
>come up (QRPTTF, etc.)
>
>Hope to be all caught up soon. Thanks!
>
>Cheers de AB7TT,
>
>-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)
>
>"'Fraid nobody around here, understands my potato;
> Think I'm only a Spudboy, looking for a real tomato." -DEVO
>
>

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Date: Tue, 2 Jun 1998 00:05:01 -0400
From: Dale Scott <dcscott@us.ibm.com>
To: <qrp-l@lehigh.edu>
Subject: [12216] Elmer 101: Part 5 - Xmit Bandpass Filter Question
Message-ID: <50301000212129030000002L032*@MHS>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

When I tweak T3 and T2 (while observing waveform on scope) I find the s=

etting
for T3 that gives me the largest amplitude to be with the slug turned a=
ll the
way CCW (to the stop). T2's peak is roughly mid-way between the stops.=
T3
never really shows a peak - just gets larger as I go CCW. Is this okay=
?

72 - dale/w7hlo

Dale C. Scott
IBM -- Engineering Technology Solutions
(206) 587-2784 8/277-2784

Internet: (work) dcscott@us.ibm.com
(home) dcscott@ibm.net
OV/VM: dcscott@ibmusm54
=

Date: Tue, 02 Jun 1998 00:27:02 EDT
From: sigcom@juno.com (Stephen M Smith)
To: qrp-l@Lehigh.EDU
Subject: [12217] Help: Tektronix 5110
Message-ID: <19980602.212623.8159.2.sigcom@juno.com>

Group,

Can someone tell me the maximum bandwidth of this frame? Or where can I
find the information on the web? Thanks.

73.....Steve, WB6TNL Oxnard, CA QRP-L #621 NorCal Zombie #2065
ex-WN6TNL

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Date: Tue, 2 Jun 1998 01:40:37 EDT
From: Blackpug1@aol.com
To: qrp-l@Lehigh.EDU
Subject: [12218] Micamold XTR-1 transmitter

Message-ID: <3dacffbf.35739056@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Anyone have an schematics on the Micamold XTR-1 qrp transmitter?

Thanks.

Michael
KBORIA

Date: Tue, 2 Jun 1998 00:17:23 +0100
From: talljazz@teleport.com (Dan Presley)
To: faunt@netcom.com
Cc: qrp-1@Lehigh.EDU
Subject: [12219] Re: Coax dipole questions
Message-ID: <v0153050eb198e38f2102@[204.202.160.68]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Doug-you might check out the coax 'end-fed' dipole that Dave Ingram describes in his QRP book (the first one). It's 2 1/4 wavelengths of coax & 1 1/4 wavelength of wire, and you make a choke by coiling the coax (turns vary per band) between the 2 sections of 1/4 length coax, and soldering the 1/4 length of wire to the end of the coax. Put a PL259 or BNC on the other, and he claims a low swr and reasonable efficiency considering! He says it can be mounted either vertical or horiz. and works well. Might be the ticket for you. If you don't have access to the book (The World of QRP), let me know and I can copy the page or post a better description with a crude drawing. I have no experience with this antenna, but it sounds like it might work OK; anyone used it out there?

Dan N7CQR

Date: Tue, 02 Jun 1998 12:00:43 +0100
From: Rogerio Gonzaga <gonzaga@med.up.pt>
To: qrp-1@Lehigh.EDU
Cc: gqrp-1@blacksheep.org
Subject: [12220] CQ WPX CW CONTEST
Message-ID: <3.0.5.32.19980602120043.00905950@mail.med.up.pt>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi, folks

I have raised up my insanity level to the point of entering the WPX with 250 mW, with the awfull, horrible, lousy, stupid and empty propagation of last weekend. Results:

CQ WORLD WIDE PREFIX CONTEST -- 1998

Call: CT1ETT Country: Portugal
Mode: CW Category: Single Operator QRP

	BAND	QSO	QSO	PTS	PTS/Q	PREFIXES
	160	0	0	0.0		0
80		2	4	2.0	2	
0	19	38		2.0		13
20	105	184		1.8		81
15	45	59		1.3		30
10		9	15	1.7		5

Totals		180	300	1.7	131	= 39,300

Equipment Description:

Heath HW9, with Zetaggi Power Reducer (atenuator), down to 250 mW maximum output. Radio Shack DSP filter. Bencher paddle with homemade keyer. Lake PM20 power meter. Ant. TH6, 19 meters up (10/15/20 meters) and 2BDQ trapped dipole, 12 meters up (40/80 meters).

No CT/CU starions worked, one EA worked both in 40 and 80 meters and a cxouple of EA worked in the 15 meters. All the others were far way, including most of USA. To the East I could no go farther then European Russia. Special DX worked in V2. Worked C4 and P3 as well, but they were in Cyprus. Congrats to G8G worked in 80 and 20 meters, EA4LM in 40 and 80, 9A1A in 10-15-20-30-40 and some others, that must have biiiiiiiiiiiig ears!

About the bands, 15 were lousy (very few W worked) and 10 were about dead; 20 were the best (or the least bad).

Hope you all enjoyed - Best 73 de Roger, CT1ETT

Date: Tue, 02 Jun 1998 12:42:23 +0100
From: Rogerio Gonzaga <gonzaga@med.up.pt>
To: qrp-1@lehigh.edu
Subject: [12221] Please, NorCal team....
Message-ID: <3.0.5.32.19980602124223.0090d120@mail.med.up.pt>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi, folks,

If I had been doing a very hard VOLUNTARY work to run the NorCal, and to produce QRPp, Kits and so on, by the nominal price of the components (or printer) costs, and all the received payment was a bunch of hard and critical e-mail letters suggesting that my work was junk, I would ask all the list subscribers to go cook an egg and wouldn't care about it anymore - NorCal, kits, QRP, etc.

Fortunately Jim, Doug and Paul are much better than myself and take their time to explain what does not need to be explained and, best, keep their excellent job in running all the stuff.

C'mon, gents, an ham Magazine as QST can cost, in CT1, about 10 bucks in the newstand. We are getting real good stuff (and a decent organization) by almost nothing. I can hardly believe that Jim has given a raw answer to anyone, because he has always been one of my most educated and kind correspondents. But if in any time his answer had not been so kind as he has used us to do, I could understand it on the grounds that, when I am tired with hard working, I can personally give very rude answers to my best friends...

BTW, I generally send my payments cash to NorCal (slipping some bank notes with my letters, in regular air mail) and I have never had any problem - of course!!!

On the other hand, if any reader of this message has some reasons to discord with me, please do not take it personally. I am using my right of free speaking and writing as they have used theirs, with the same respect that they have the right to anticipate from myself.

If Jim, Doug or Paul do a mistake in running the NorCal, someone can loose a QRPp issue (what is really a pity) or have some other small problems. Personally, during my 47 years of life, I have made a lot of mistakes - and as a surgeon I must be aware of much more terrific consequences... The most I can expect from the others is to be forgiven, as I want to forgive them.

Enjoy QRP (and QRPp...), 72 de Roger, CT1ETT

Date: Tue, 02 Jun 1998 08:20:25 EDT
From: penzo@juno.com (Michael A Penzo)
To: bkobie@webtv.net
Cc: qrp-1@lehigh.edu
Subject: [12222] Re: bw portable vert
Message-ID: <19980602.070246.4831.0.penzo@juno.com>

Pat,
I'd be interested to see any responses you get. I have wondered on many different occasions about that little antenna.
73,
Mike, KT4FJ
Stafford, VA.

On Mon, 1 Jun 1998 18:42:04 -0500 bkobie@webtv.net (patrick obrien) writes:
>has anyone ever ued the b&w vertical(portable whip)attached to
>windowsill -change coils...for qrp operations with any success? tn timer
>73/pat/k8len
>
>

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Date: Tue, 2 Jun 98 08:39:26 -0400
From: Lauri_Frank_J@bns.att.com

To: qrp-l@lehigh.edu
Subject: [12223] 30 es 6 dx
Message-ID: <H00001ce0098be92@MHS>

Last nite (6-1) at 2200 est onward, I worked several grids to the south and midwest on 6 meters using 10 watts ssb and a tubular dipole up 12 feet facing west.(horizontally polarized.

This morning ,I once again worked Doug, ZL2UW on 10.105.He was up to 579 running his usual setup.I was running 5 watts with an R7 Vertical up 8feet.This was at 0600 eastern (1000 utc).

Frank - Kd2ix
FN31

Date: Sun, 31 May 1998 15:42:32 -0600
From: Armstrongs <barmstrong@mail.SISNA.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [12224] Another Grand Canyon Expedition
Message-ID: <1.5.4.32.19980531214232.00688340@mail.SISNA.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

N7XJ will follow the footsteps of AB7TT into the gopher hole this coming Friday June 5. I will be operating from within Grand Canyon at about noon MDT plus or minus an hour or so.

NC7W (Dave) will run the GCN (Grand Canyon Net) from near Ogden in Northern Utah to collect a crowd. I will be operating about 6000 feet below the North Rim. The frequency will be 7040 plus/minus QRM. I will be using my trusty SST 40 and a dipole hung in the biggest tree I can find. Experiments suggest that 700 - 900 mile contacts will *probably* be possible.

Please look for Dave calling the GCN at about noon Mountain Daylight time on 7040 KHz June 5.

de N7XJ

Date: Tue, 02 Jun 1998 08:53:44 EDT
From: penzo@juno.com (Michael A Penzo)
To: qrp-1@Lehigh.EDU
Subject: [12225] Elmer101: Part 6 yet?
Message-ID: <19980602.073551.4831.3.penzo@juno.com>

Is it time for part 6 yet? Sorry to be a pest but I'm really enjoying this project...

Mike, KT4FJ
Stafford, VA.

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Date: Tue, 2 Jun 1998 09:05:09 -0400
From: "Nick Franco" <kf2ph@bnl.gov>
To: <qrp-1@Lehigh.EDU>
Subject: [12226] Call from out of the blue
Message-ID: <001401bd8e27\$1267c060\$0b5ac782@nickf.rhic.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Saturday morning I was getting ready with the family. We were attending my close friend's son's Bar Mitzvah (sp?). The phone rings and it's Scott Rosenfeld - NF3I. Wow, what a surprise, he was in Port Jefferson LI, NY. That's about 5 miles due north of me. I got all excited for an instant there and then realized I was on my out for the entire day. He asked for a couple of other hams numbers in the area and I was coming up blank. I didn't realize how few hams I speak to off the air. I don't have phone numbers only callsigns and some email addresses.

I wound up out the entire day and tried to call him back at about 9:30 pm but didn't get to chat (bummer). I have purchased a few radios from Scott and we have chatted on the phone - Maryland to LI and back, but I missed the opportunity to sit ragchew with him. I hope he hooked up with another qrp-ler or liqrper along the way. He said he would listen for me on a local repeater of on 40m. Hmmm - I wonder if he's running 40m mobile. Well he's headed for Vermont on business so if you hear NF3I on 40 meter, say hello.

Nick - kf2ph
QRP-L # 13 . .

--

Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
Systems Administrator RHIC Project Building 1005
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-3674 Ham Call: KF2PH
nickf@bnl.gov - <http://www.rhichome.bnl.gov/People/franco>

Date: Tue, 2 Jun 1998 08:11:55 -0500
From: "Barbara Spencer" <bspencer@tcjc.cc.tx.us>
To: <qrp-l@Lehigh.EDU>
Subject: [12227] unsubscribe
Message-ID: <000901bd8e28\$04497180\$5d0c040a@ac.tcjc.cc.tx.us>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_0006_01BD8DFE.1B410EE0"

This is a multi-part message in MIME format.

-----=_NextPart_000_0006_01BD8DFE.1B410EE0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Barbara Spencer KK5QA
Barbara Spencer, Computer Lab, Nursing Department, TCJC, South Campus

-----=_NextPart_000_0006_01BD8DFE.1B410EE0
Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.72.2106.6"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>

<DIV>Barbara Spencer =
KK5QA</DIV>
<DIV>Barbara Spencer, Computer Lab, =
Nursing=20
Department, TCJC, South Campus</DIV></BODY></HTML>

-----=_NextPart_000_0006_01BD8DFE.1B410EE0--

Date: Tue, 2 Jun 1998 07:33:07 -0600
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-1@Lehigh.EDU
Subject: [12228] Grand Canyon Raft trip
Message-ID: <199806021333.HAA14190@mailrelay.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

We go on the water June 12 and come off June 23. I am not sure of the operating time but it will probably be late afternoon and early evening. There will be three of us hams, KI0G, K9MWM and N0DBY.

The rig will be very similar to what AB7TT described; SST 20M, ZM2 and a half wave end fed wire. We will also have a dipole to try.

I gave the set-up a good shake down Sunday during the WPC contest and the only thing I learned for sure is the flat black paint job on the SST has to go! After only 30 minutes in the direct sun the unit was almost too hot to handle. It goes into the shop for a white paint job, along with the ZM2 this week.

We have a pack-plan potluck this evening to see if we can get all our stuff into the required minimum pack size. The radio set and batteries are down to a plastic container about the size of half a shoe box. That will not be any problem, it is the rest of the "stuff".

I will post more information later but truly hope some of you will tune those fine fox hunting ears for us on the river.

72, Bob KI0G

Date: Tue, 2 Jun 1998 09:36:26 -0400 (EDT)

From: Francis Flynn <fflynn@together.net>
To: qrp-1@Lehigh.EDU
Subject: [12229] Tuned Feeder Dipole
Message-ID: <Pine.LNX.3.95.980602093544.11813C-100000@sea.shell.together.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 2 Jun 1998, Scott Howell wrote:

>
> would you be so kind as to give me a description of what the antenna
> actually looks like or at least confirm my thought? Not being able to see
> the antenna I am not certain I follow its construction.

you don't peel back the shield, it's just coax and straight wire.

A picture would be worth a 1×10^3 words here. The feedline coax is the same piece as the first $1/4$ wave half of the dipole, the coax is simply wrapped into a coil to isolate the dipole from the feedline. Then the second quarter wave section is just wire connected to the center conductor of the coax.

It works because the currents on the outside of the coax shield are different than the inside of the coax shield. It seems like a weird concept, but RF flows on the 'skin' of a conductor, so when you consider that, maybe it'll make more sense.

> I picture a straight piece of coax, cut outer jacket to get at braid, then
> separate braid from center conductor without breaking braid thus ending up

You don't need to do anything like that.

Here's an attempt at ascii art:

```
choke balun
(a coil of coax)

      1/4w coax
    /--()-----|-----
   /
  /
 /
/
      1/4w wire, connected to the coax center cond.
```

/

feedline (coax)

It's just one piece of coax right up to the 1/4w of wire at the end.

You may need to use different choke lengths depending on what band it's cut for. I used about 10' of coax in a coil about 7" dia for 30m, you can scale from that. It is in the ARRL handbook in greater detail. I used junk rg-59 coax for it and still seems to work well.

Fran KM1Z

Date: Tue, 2 Jun 1998 06:33:14 -0700 (PDT)
From: John Foote <w3gx@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [12230] Band Threat
Message-ID: <19980602133314.24252.rocketmail@send1d.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

For whatever help it may be, I submitted my "comment" regarding the Land Mobile rulemaking to take away the 420-450 MHz ham band. Drove it down to FCC headquarters and gave it to the lady that date-stamps incoming stuff.

I won't repeat the text; it's pretty obvious and material with which you're familiar.

Phase one, the rulemaking, ended yesterday. Now the FCC will study the comments and probably accept on the comments.

==

72 es 73 de W3GX
John Foote
Ashburn, Virginia near Wash. Dulles Int'l. Airport

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 02 Jun 1998 09:46:59 -0400
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
To: qrp-l@lehigh.edu
Subject: [12231] Super 6M Last Night!
Message-ID: <35740253.4151D07B@acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----162FF99FA5795D98E9BE7173"

This is a multi-part message in MIME format.

-----162FF99FA5795D98E9BE7173

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

HI Gang,

I have not posted lately but have to tell everyone about last night. The highlight was working N0UR QRPx2 using my TenTec Xverter and 4 el beam! That is ND to NY on 6M QRP. This band is really SUPER.

Also worked NE, AR, AL, AR, MS, MO, WI and a mobile station in NC who said that I could not possibly be any louder.

Let's hope for more Sporadic-E like last night.

72, Mark N2VPK

-----162FF99FA5795D98E9BE7173

Content-Type: text/x-vcard; charset=us-ascii; name="vcard.vcf"
Content-Transfer-Encoding: 7bit
Content-Description: Card for Mark Adams
Content-Disposition: attachment; filename="vcard.vcf"

begin: vcard
fn: Mark Adams
n: Adams;Mark
org: SUNY at Buffalo
email;internet: msadams@acsu.buffalo.edu

title: Facilities Engineer/Mechanical
x-mozilla-cpt: ;0
x-mozilla-html: TRUE
version: 2.1
end: vcard

-----162FF99FA5795D98E9BE7173--

Date: Tue, 02 Jun 1998 13:57:44 -0700
From: utahfolk@konnections.com
To: qrp-1@Lehigh.EDU
Subject: [12232] QSO the GRAND CANYON QRP !
Message-ID: <35746748.2F5A@konnections.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob N7XJ will backpack QRP into the Grand Canyon at North Rim, AZ on Friday June 5. We will be running the GCN (Grand Canyon Net) on or very near 7042 khz, beginning about 1700Z. Bob is expected to be on the air near 1800Z and again in the afternoon (time not known at this point). The net will use common net procedure: GCN GCN QNI meaning checkin, and do so giving your CALL, QTH and NAME. Net Control (NC7W or N70G) will collect folks who have checked in and when Bob shows up will give a list (QNS) of stations in the net wanting to QSO N7XJ/7 in the Canyon. Bob will take the list and work it with no help from net controls, this is not a "list" operation, it is intended to be an efficient way of lining up QSO's for Bob when he shows up, he has a limited amount of airtime and QSO's could be very short, depending on the number of folks that show up. Bob is an experienced contest operator so pay attention to what he does. Looking forward to evolving a good way of using a net to handle such operations. You are invited to join in! ... more to come ... de Dave NC7W / Huntsville, UT

Date: Tue, 02 Jun 1998 08:49:58 -0500
From: John Burnley <JBurnley@ifmc.org>
To: qrp-1@lehigh.edu
Subject: [12233] Hamboree 20
Message-ID: <s573bcc4.049@ifmc.org>
Mime-Version: 1.0

Content-Type: text/plain
Content-Disposition: inline

The Hamboree 20 in Sioux City, Iowa this past weekend was a blast!
A big pat on the back for the committee up there for an outstanding job!

One of the highlights for me was meeting Ade Weiss and listening to his presentation. If you ever have the chance to listen to Ade, I truly recommend you do!

The Iowa QRP group also had a 'QRP table' to promote the cause. A special thanks to Jerry (WB0T) for making all the arrangements for us! I'd also like to thank Adam (N2BRT), Steve (WB0QQT), Mark (KQ0I), Jerry (KI0IH), and Lee (AB00U) for helping man the table. If I left someone out I'll apologize now (still catching up from the trip and a middle of the night DASD crash at work). These guys made our presence a total success!

And now a very special thanks to Doug Hendricks and NorCal! Doug gave me permission to photocopy an issue of QRPP for display and giveaway. He also donated (his idea) a free years subscription to QRPP to help us attract new members! This guy is first class!

On our QRP table we had the samples of QRPP, a flyer about ourselves, and goodies for sale from ARCI. We also had a PIXIE II, NW80 (Emtech), OHR Explorer II, OHR 100a, Micronaut and companion, TIC keyer, 38 special, ZM1 tuner, and a few others that escape me for the moment. A big thanks to Steve (WB0QQT) and Kevin (KC0AXK) who provided and trusted us with their kits. Our table was next to Ade's and it was a very special treat to be able to promote the cause with one of the legends.

I believe Jerry (WB0T) mentioned in a previous post about the QRP luncheon! That was a lot of fun and will probably be an annual event (hint.....).

The QRP table was so much fun that I'm planning on doing it again! Paul Harden has generously donated a door prize for the next hamfest we attend! The support that we have received has been tremendous and I can't say enough to thank everyone!

Thanks for the bandwidth!

72/73, John NU0V

Date: Tue, 2 Jun 1998 09:14:38 -0500
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-1@Lehigh.EDU
Subject: [12234] ODD NOISE/BUZZ
Message-ID: <00083A53.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Hi Folks,

Have a question regarding a strange noise/buzz I am suddenly getting. I've noticed it happening over the last week, or so. It got worse over the weekend, making the WPX contest pretty miserable.

I have a S9 buzz sound on 20m and 17m. It sort of sounds like a power line noise, but I'm not convinced that's it. Last night I tuned around 80/40/30 and they are all great; no noise and plenty of strong signals. 15 and 10m are also good. So only 20 and 17 are affected.

My experience in the past with AC line noise showed me that usually 80/40 are worse than anywhere else. I took my battery operated SW receiver around, and it too had the same results. Turned off the AC mains to eliminate anything generated within the house (air condx, TV, computer, etc).

I checked this morning (~1100z) and 17m was better (read no noise); 20m was better, but every 15 sec or so the noise would pop in for a second or two.

I've noticed this before when the solar storms hit a few weeks ago. Can this also be the effects of last weeks storm? I know things are settling down, but wondering if some "stuff" still remains.

It's pretty frustrating. Any helpful comments would be welcome. BTW, antennas used are a R5 vertical (never given me trouble) and a dipole up about 30 ft.

Thanks gang.

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Tue, 02 Jun 1998 09:21:13 -0500
From: John Bohnert <johnb@elmhurst.edu>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [12235] Art of Electronics--Lab Manual
Message-ID: <35740A59.E14FEAB9@elmhurst.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In March there were a series of exchanges about "The Art of Electronics" by Horowitz & Hall (?) on QRP-L. Brief reference was made in the postings to a lab manual which accompanies the text. I was able to go to a local college bookstore and order used copies of both books, avoiding the price for new books.

I heartily recommend BOTH books, in fact, I have found the lab manual to be most helpful. The authors are "elmers" in the long and rich tradition of qrp. They make liberal use of "worked examples" in the lab manual. In many cases these worked examples are answers to problems which are posed in the text.

For those among us who enjoy the ownership of scopes, signal/function generators the lab manual is filled with "simple" experiments to demonstrate principles. I hope some day to have the equipment to carry out some of the experiments. I do not consider the presence of the experiments in the lab manual a waste of purchase cost since I am able read through the detailed procedures for the experiment and "learn" something about the principle being tested...including "hints" about setting up the equipment.

As an Elmer participant I found my interest in impedance matching between "stages" in the SW 40+ increased through my study of chapters one and two (I am a slow reader) in the Art of Electronics/Lab Manual. The authors consciously attempt to avoid calculus level math in the lab manual, so that algebra and knowledge of rudimentary trig functions is sufficient to follow their explanations. In fact, the authors are attempting to wean physics majors from their mathematical models and learn to use "rules of thumb" in the analysis of much electronic

circuitry.

I understand that a new edition may be around the corner...until then I heartily recommend BOTH the text and the lab manual. I would not purchase the text without the lab manual...particularly for the neophyte...like me!

72

John N9KW QRP-L #1257
Elmhurst, IL

Date: Tue, 2 Jun 1998 09:22:05 -0500
From: "JUNIUS B FOX" <w5hir@gte.net>
To: <qrp-1@lehigh.edu>
Subject: [12236] Temp withhold
Message-ID: <01bd8e31\$d1aa9100\$7b6afed0@w5hir.gte.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is there a way to temporarily suspend receipts of traffic during an extended period...say for three weeks? If so How???

Foxy

If it ain't broke, don't mess with it!

Date: Tue, 2 Jun 1998 07:35:13 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [12237] WPX 40m
Message-ID: <Pine.SOL.3.96.980602072349.16874B-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'd like to thank all who worked me last weekend. I had fun doing the WPX as a single band (40m) QRP entry.

Condx to EU were just not there from Nevada. I worked an EA8 and that was it on that side of the big puddle of watter!

But I did work lots of PAC stations.

Here is the raw score.

RAW QSOs	VALID QSOs	POINTS	PREFIXES
330	327	844	194

FINAL SCORE = 163,736 points.

5w output from the FT 1000MP.

2 ele yagi at 85' (Force12 C4SXL/H).

TR Log contest software running on a 386/33.

Sunday during the day there was almost no one on 40m! I heard only 2 QSOs going at once! I did have a few very nice rag chews and got 2 more prefixes.

I hope that many of you took some time to enjoy the contest. There were a number of "good" DX stations on and most of them could hear a pin drop!

Well, JT1X couldn't hear me but he was not being called by anyone either, so maybe the condx there were bad too. He was only about S5 here.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 2 Jun 1998 07:38:21 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: JUNIUS B FOX <w5hir@gte.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [12238] Re: Temp withhold
Message-ID: <Pine.SOL.3.96.980602073542.16874C-1000000@vortex>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Foxy,

Send the following command to;

listserv@Lehigh.EDU

No Subject.

Put only this line in the body of the message;

set qrp-l mail postpone

I always erase my sig file when doing this.

To start up again when you get back send this line to the same address;

set qrp-l mail ack

Be sure these commands don't go to the list.

Enjoy,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 2 Jun 1998 11:27:27 EDT
From: AA2Q0@aol.com
To: qrp-l@Lehigh.EDU
Subject: [12239] How big a battery?....
Message-ID: <99a2ccf5.357419e0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hey one and all,

Those who read my Bone Dig post know that I'm shopping for a new battery. Previously was borrowing a 7Ah Gel Cell from Nick, KF2PH.

Seemed to me that the 7Ah was kinda large for my purposes. I bring a 5W solar panel in with me when I take the QRP gear, and never thought that the battery should be so big. But then again, I don't have enough notches on my paddles to make an educated decision.

Before I go out and buy another boat anchor, I'm just curious what you all are using to power your field stations. Just this morning, I read the posts about the ad's in Tech America and Tower Hobbies, and I have a source here at work for most nearly everything. Just looking to narrow down my choices.

-Thanks in advance.

Michael Lydick
(AA2Q0)

"A good black fly is a dead one."

Date: Tue, 02 Jun 1998 11:13:24 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@Lehigh.EDU
Subject: [12240] Re: SLV FOR FIELD DAY
Message-ID: <1.5.4.32.19980602161324.00ae80a0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Alan,

In response to your inquiry on QRP-L:

1. We ran a ground-mounted SLV/W6MMA on 40m at the St. Louis QRP Society's Field Day outing last year. The antenna had eight of the folded 40m radials under it as described in the original article. From memory, I believe we did 141 CW contacts at 5W with a fine old Triton IV. It was a good performer and is scheduled to be used again this year on 40m.

2. I've run two SLV/W6MMA's on 20m as a ground-mounted driven element/reflector combination though not on Field Day. This set-up does a decent job, all things considered. I believe the configuration is easier to build and use than phased antennas. Also, like the others described here it is an easy-up/easy-down design.

Put down a quarter-wave radial system under the driven element for the band of interest. At the end of one of the radials position an identical un-driven element and attach it to that radial. It works okay, maybe a couple of db forward gain and some decent F/B. I think of it as a half-square antenna with the horizontal phasing line laying on the ground.

I put alligator clips at the end of radials on the four primary compass headings. Changing direction is simply a matter of trotting the un-driven element/reflector around to another radial.

3. Elevating the SLV or any vertical is great if your chasing DX. Fortunately, that really isn't necessary/desirable for Field Day where quantity is preferred over distance.

Having said that, we are going to run a "One Element Beam" on 20m for Field Day this year as an extended experiment. It will feature the radiator design from the new St. Louis Express vertical but the SLV would work just as well.

The base of the antenna will be at 8' which seems to be a good height for 20m. There will be a single 50' (3/4 wave) radial pointed towards the densely populated corridor to our northeast, (IL, IN, OH, PA, NY, MA). The far end of the radial will be at 6 or 7'.

We know from experience that contacts will concentrate to the northeast. Supplemental contacts off the sides of the single radial will favor mid-range contacts to the southeast and the near northwest. If anyone is awake at 2:00 a.m. we'll swing the big 'ol radial to the southwest.

If our contacts cluster too far out and are thus hard to come by, we'll drop this antenna to 4' and if necessary to ground level. Operating from the mid-west we are more or less surrounded by stations and that can be used to good advantage.

I hope this information is helpful to you, Alan. I believe our Field Day call will be N0MII.

Best regards,

de Dave, NF0R nf0r@slacc.com

At 02:16 PM 6/1/98 -0600, you wrote:

>

>An interesting question was raised about portable antenna for FIELD DAY when no
>supports .
>
>QUESTION #1: Has anyone used a SLV for FIELD DAY and have any experiences to
>share with its performance? (80M, 40M, 20M ??)
>
>QUESTION#2: Has anyone used two SLV's as phased verticals in the field. If so,
>was it difficult to set up for proper phasing and any marked improvements?
>
>QUESTION#3: Does elevating the SLV say 10ft or 20ft and run the radials down
>at an angle make any improvement in operation?
>
>Thanks...Alan KB7MBI
>
>

Date: Tue, 02 Jun 1998 09:22:17 -0700
From: Andy Fox <foxes@theriver.com>
To: AA2QO@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [12241] Re: How big a battery?.... (long)
Message-ID: <357426B9.5D3FB37D@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Michael,

There are a couple of ways you might want to approach this. The first is based upon your power requirements (recommended) and the second is based upon what you have for a photovoltaic (PV) module (next best).

You generally want to think in terms of Energy, not Power. Power is an instantaneous phenomenon: that 60W light bulb uses 60 Watts at any given instant. Energy brings time into the equation (product of Power and Time). Your electric bill does not show how much Power you use (it's changing all the time); it shows the amount of Energy "consumed" by you during the billing period. You may have used 300K Watt Hours last month. At 10 cents per KWH, that would come out to \$30. Maybe you used 10 KWH each day for 30 days, maybe you used 20 KWH each day for fifteen days. OK, on to the fun part.

You may find it easier to use current instead of power, if all your voltages are the same. This is very common. Units are Ampere Hours (AH). Batteries are rated this way.

I've made up some values for the following examples. They are for example only; they do not represent a real rig.

First Method:

How much power does your rig "take" during transmit? $P(t)$ [4 W]

How much power does your rig "take" during receive? $P(r)$ [0.25 W]

How much time will the rig be transmitting between charges? $T(t)$ [10 H]

How much time will the rig be receiving between charges? $T(r)$ [20 H]

Calculate the energy for transmit: $P(t) * T(t)$ [40 WH]

Calculate the energy for receive: $P(r) * T(r)$ [5 WH]

Add them up to find the total amount of energy: 45 WH

Convert to Ampere Hours (divide by the voltage, I'll assume 12): [3.8 AH]

Batteries are not 100% efficient; You will only get out of them about 85% of what you put in. You have just calculated what you need to get out of the battery. Now, divide by 0.85 to figure out how much to put in: $[3.8 / 0.85 = 4.5 \text{ AH}]$

Another thing about batteries. If you want them to last for a while, don't run them all the way down. For lead-acid batteries, 50% discharge is a good figure. Divide by 0.50 (or multiply by 2) to find the size of the battery: $[4.5 / 0.50 = 9 \text{ AH}]$

So, for the virtual rig above, a 9 AH battery would be swell.

How large a PV module do you need? It depends. How much time do you have, where do you live and what season is it? I can count on six "peak sun" hours per day (yearly average) in sunny Tucson. Sure, the sun shines for more hours than this, but it's going through more atmosphere in the early and late part of the day, so it is attenuated somewhat. There are charts that show "peak sun hours" for the planet. Fire up that search engine! If you want to charge the battery in the example above up from halfway, that's 4.5 AH.

--- intermission ---

I'll stop here for now. I need to get some work done. Besides, this is one loooooong e-mail already!

--

72/73 de Andy, KK7HV - QRP-L #1286 - Tucson, AZ

Date: Tue, 2 Jun 1998 10:51:33 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@Lehigh.EDU>
Subject: [12242] 'scope manual (fwd)
Message-ID: <Pine.SOL.3.91.980602105110.27270A-1000000@gpfn1.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

----- Forwarded message -----
Date: Wed, 20 May 1998 07:45:36 -0600 (CST)
From: Bruce Rattray <rattray@gpfn1.gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Subject: 'scope manual

Still looking for a manual for a B&K 'scope, model 1535A, 35 mHz....any help would be appreciated....I might be able to get one from B&K Precision but the price is high, especially when one factors in the present exchange rate of \$1.46....gagagagagag!...hi hi...72 - Bruce (VE5RC)

Date: Tue, 2 Jun 1998 09:48:42 -0700
From: Brian Murrey <brian@iquest.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [12243] This List
Message-ID: <35742CEA.3E30@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Man, I ask one simple little question and I get over 40 replies in less than 24 hours. I LOVE THIS LIST.

I must say, although I am basically new to QRP, I am not new to Amateur Radio. In my almost ten years of being licensed I can say that I have NEVER found a group of hams that are more willing to help another ham

than right here. I was totally turned off by the repeater wars in my area, then the packet wars, then the club infighting that I just stopped being an active ham about 6 years ago. The internet has made ham radio fun and exciting for me again and I'm glad I got reinolved before I let my ticket run out. Thanks to Mac and KB9NDF and everyone else that took the time to answer my posts.

72/73 de KB9BVN

(what's 72?...qrp for 73?)

Date: Tue, 02 Jun 1998 13:10:53 EDT
From: ka7you@juno.com
To: stephen@stevef.demon.co.uk
Cc: qrp-1@Lehigh.EDU
Subject: [12244] Re: AADE L/C IIB URL
Message-ID: <19980602.092321.20631.1.KA7YOU@juno.com>

>From a brochure in my hand:
 E-Mail Neil@aaade.com
 Web site: <http://www.aaade.com>
 Phone (253) 351-9316
 FAX (252) 931-1940
 Located in Auburn, Washington

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz (3456MHz still in the wings)

On Mon, 1 Jun 1998 07:24:46 +0100 Stephen John Farthing <stephen@stevef.demon.co.uk> writes:
>They have a web site which has the circuit diagram and, I think, the
>manual and lay out. I do not have the URL to hand, however I have an
>L/C
>2B and can verify it's excellence. Use Yahoo or some other search
>engine
>to find the Web site. In the UK I believe that Mainline Electronics
>act
>as agents.
>
>73
>
>--
>Stephen John Farthing MBCS G0XAR
>Melksham, Wiltshire UK
>RSGB G-QRP 7766

>
>

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 2 Jun 1998 18:32:23 +0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: qrp-1@Lehigh.EDU, gqrp-1@blacksheep.org
Subject: [12245] QRP DAY CONTEST
Message-ID: <E0yguvZ-0002ok-00@hen.scotland.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

June 17th is International QRP Day this year. To mark this I intend to organise a simple contest. The rules are simple:

Anyone can enter. You do not have to be a member of any club etc.
When: Wednesday 17th June 1998
Time: you may operate for a period of two hours only. (some people have to work!). This can be one 2 hr period or 2 x 1 hours.
Points: you get one point for every QSO on any band and any direct mode. You may only work a station once. Power not to exceed 5w CW, 10 w pep SSB. Other modes: 5w. The top three in the contest receive a special certiificate. There is no entry fee.

Send your final total to me with details of equipment and antennas used.

This is to encourage operation on International QRP Day, please take part and let me know now if you are interested. The results will appear on Internet and packet BBSs.

--73--

Frank G3YCC G QRP 042
email: g3ycc@g3ycc.prestel.co.uk
QRP web Site: <http://www.homeusers.prestel.co.uk/g3ycc/>
Packet: G3YCC@GB7HUL

Date: Tue, 2 Jun 1998 11:39:26 -0600
From: "Jerry McCollom" <jmc@cnd.hp.com>
To: <d.nordquest@juno.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [12246] RE: Rigs & Books
Message-ID: <001601bd8e4d\$6427d540\$38620f0f@fcjmcp.fc.hp.com>
Mime-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I might be interested in the HW-16 (my first Novice rig was an HW-16).

What crystals do you have with it? Mine always had a chirp to it, but I think that was the fault of the VFO I had with it -- how about this one?

Thanks,

Jerry McCollom
W0MC
jmc@cnd.hp.com

Date: Tue, 02 Jun 1998 17:40:32 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [12247] ATS 818 Lives! 160 M short Loop thoughts.
Message-ID: <35743910.66FA@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, last week I killed Q1 in the ATS 818 receiver.
I found minimal specs on the transistor, (2SK291) FET
and replaced it with generic signal FET's until signals
were acceptable. (Read Shotgunned until replacement worked).

Yesterday I found a 2n4391 FET (N-channel, Depletion mode)
and WOW! 160 Meters was hopping last night. Major signal
improvement here. 80/40 etc. and up were better too. The
ambient noise was approaching the quality of my Drake TR-3.

Still could be better, but then I'd be approaching military
communications quality :)

It is so easy to replace, I'm thinking of trying some more FET's, and maybe just put in a gold socket during the experimentation.

So I'm ready to start working 160 Meters again. But I'm thinking of running some magnet wire off of the loop at the high Impedance point. Run an end-fed wire (1/2 wave) and see what happens.

BACK in the saddle again...

-Ed

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 2 Jun 1998 09:52:45 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list" <qrp-l@Lehigh.EDU>
Subject: [12248] 1997-1998 Foxhunt Fireside Literature Awards
Message-ID: <304801bd8e4d\$ed943120\$309f5ecf@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The judges of the 1997-1998 Foxhunt Fireside Literature Awards are pleased to announce this year's winners!

To recap last September's announcement of the awards:

The Foxhunt Fireside Literature Awards were created to encourage and reward the creative efforts of all foxhunters, successful or unsuccessful.

Your post-hunt tall tales, creative whining, or fascinating narratives were all eligible for consideration for the Awards.

Entries were judged on correct grammar and spelling, creativity, entertainment value, and positive social values.

Decisions of the judges are final.

The winners are:

Certificate of Meritorious Merriment -- Ed Loranger WE6W

Ed's delightful and intriguing tale of his Grandmother's contribution to the war effort, and how her particular talents at the tools of espionage were put to use tracking down the elusive foreign agent known as the "Idaho Fox" entertained all the judges.

Certificate of Literary License -- Bob Tellefsen N6WG

Bob's announcements of the return engagement of the "Golden Fox" were a delightful read. An inspiration to many, Bob's literary talents were much appreciated by the overworked and humor-challenged judges.

Grand Prize of Foxhunt Fireside Literature -- Bruce Ratray VE5RC

Bruce's collection, which came to be titled "The Foxhunt Chronicles" by the sleep-deprived judges, certainly deserves the recognition it receives by being awarded the top honor of Foxhunt Fireside Literature -- if only on the basis of sheer volume. As one of the judges' High school teachers once pronounced: "I grade by weight". Although the judges became, during the course of the year, concerned about the sanity of the author, they breathed a collective sigh of relief when the "Chronicles" concluded on a positive note.

Congratulations to all the Foxhunt Fireside Literature Award winners. Each will receive a handsome certificate attesting to the author's achievement, and the Grand Prize winner will also receive a K1MG Digital Clock/Counter Kit.

A final thanks to all the foxes and hunters. Next winter, when the geomagnetic storms force you inside to warm yourself by the fire, it will be your turn to share your foxhunt stories.

Mike K1MG

Date: Tue, 02 Jun 1998 13:50:00 -0500
From: Gary Wilcox <rwilcox@newton.cacky.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [12249] White Mountain SSB Kit
Message-ID: <35744958.5F00E87B@newton.cacky.com>
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone have any experience with the White Mountain 20 Meter SSB Kit. I would like to get an inexpensive Mobile rig and the White Mountain looks like it might be the way to go. I don't think it has a noise blanker so Im not sure if it would be suitable for mobile operation.

tnx es 73's
Gary KE4VUN
rwilcox@newton.cacky.com

Date: Tue, 02 Jun 1998 10:51:51 -0700
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-1@Lehigh.EDU
Subject: [12250] Ft Tuthill QRP Group Camping
Message-ID: <199806021750.KAA29130@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK, here is the definitive scoop:

The cost of camping at Ft Tuthill is \$7.00 per SITE per night, with a minimum of \$105.00, or 15 sites, with \$7.00 per site for more than 15 sites used. We should make that with no problem on Friday and Saturday nights.

For those arriving on Thursday, I have reserved the group camp site for us, but the rate will depend on how many of us are there that night.....read \$105/# of sites for that night.

Please, if you are going to arrive on Thursday, let me know so I can come up with a ballpark figure for the cost. I know of two or three sites needed as of now, and would like to get a more firm idea of the cost. I don't mind paying a couple of bucks extra for the convenience of getting there early and not having to move on Friday, but anything over about \$20 is a bit much.

There is a campground host on site, and the xyl and I will be there on Thursday evening as well, so come on up and join us. It's gonna be lots of fun.
72,73
Bob Hightower KI7MN

Date: Tue, 2 Jun 1998 11:53:34 -0600
From: "Jerry McCollom" <jmc@cnd.hp.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [12251] RE: Rigs & Books
Message-ID: <001701bd8e4f\$5d98d6a0\$38620f0f@fcjmcp.fc.hp.com>
Mime-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm an idiot.... I know better than to accidentally reply to the list instead of the individual. Sorry everyone, Mea culpa....

Jerry
WOMC

Date: Tue, 2 Jun 1998 11:52:13 -0600
From: wa5whn@juno.com
To: qrp-1@Lehigh.EDU
Subject: [12252] Field Day '74 with a HW-7 {long}
Message-ID: <19980602.115219.2750.0.wa5whn@juno.com>

qrp-1ers,

Yes, Field Day 1974. :-)

That was a time, when a few of us were in the US military, and were in the process of being transferred to US shore base installations, because we did not have enough time left for another tour of duty or had early outs for educational purposes. Way back when K7UGA/K3UIG was running phone patches, via his USAF MARS station {Phoenix, AZ.}, for anyone who would show up at the USAF MARS hootches from Da Nang to Hickham AFB via Phoenix, AZ. If my memory serves me correctly, Barry had picked up the cost for the long distance stateside phone calls too. He would refuse any reimbursement for the calls. If Barry was operating, he would chat with each of the GIs. A good friend of mine, who was stationed at the other small Military Installation {USAF} on Guam, plus a hometown Ham Friend of mine, another QRP'er on this list {WA50IP}, used to be one of Barry's regular Customers.

This was the time when everyone was trying to volunteer for the USS Ticonderoga {NASA Apollo space vehicle retrieval} - 1974.

A very good friend of mine was told that if he votes for Barry Goldwater, we would have a war. He voted for Barry & we had a war {Vietnam}, but I am digressing.

Since Vietnam {The one before "Desert Storm"} military operations was in the process of being turned over to the South Vietnamese in 1974, quite a few US Military personal were being sent to US duty stations for outprocessing {either returned to civilian life or reserve units}, which if I remember correctly, could take from 1 day to 3 months. True military efficiency ;-). I had met K0FRP, Al Dawkins {another infamous QRP on the list} at the USN Station Treasure Island, Calif. Affectionately called by it's initials "TI", before the now famous electronic company from Texas had picked up that nickname.

K0FRP, Al was stationed at Treasure Island, Calif., and I was over at NAS Alameda, Calif. going through this out processing procedure. I would visit with the K6NCG {USN Treasure Island ARC} group on a regular basis. A bus ride then was 25 cents {US} with a transfer in Oakland. It was here {TI} that I had assembled a Heathkit HW-7 QRP xcvr kit {I still have it.}, if I remember correctly, K0FRP, who was {then} from North Dakota, had a Yaesu FT-101. After I had assembled the HW-7, I had noticed, like everyone else, that the receiver was very microphonic, and part of the test to operate it was to keep the receiver from going into self oscillation, while peaking the receiver preselector. A multitude of mods were made, to make it usable. A long ways from the R390s & R-1051 designs aboard ship.

Which brings us to Field Day 1974. { I do have the color slides - Kodak Ektacrome}. Al, at that time had a small Toyota sedan. There were 7 other Hams on shore, if memory serves me correctly, who had made this sojourn with us. I think 7 of us, plus the generator, rigs & antennas were in 2 cars & 1 pick up truck. We had built 20 & 40 meter wire beams. From this point on, it becomes a bit hazy, but I do remember a long drive north towards Sacramento, Calif. and stopping on a small mountain, that had an old Forest Service shack at the peak.

The Forest Service shack was abandoned, so we had proceeded to set up the stations inside, with coax feeding outside to the wire beams on 30 feet telescoping poles, with wooden spacers in the 450 ohms transmission lines tapped to match 50 ohms. With the HW-7, I had no problem working everyone that I had heard. We even had to log, by hand, all contacts. These were the days before PCs & logging programs. We even had to use wind up analog watches for time, and WWV & WWVH would transmit the GMT in mcw.

The most memorable part of this Field Day operation, for me, had happened just after midnight on Sunday morning. We had placed a list of known

callsigns on a clipboard {not the MicroSoft variety}, so if someone either heard or worked the station, they would notify or wake the individual that was interested. I had placed a callsign on the watch list, and was awakened just after midnight by that familiar phrase "Turn to Sailor". This particular SSB signal {WB5FIL} was originating from {K5CQH's QTH} the Raven Road area of the Manzano Mountains, 18 miles SE of Albuquerque {Amazing how you can remember these type of details, and can not remember your wedding anniversary}. That signal was S-9++, and sounded like it was right next door. It's nice to hear what a little propagation & a 3 element 40 meter wire beam could do. I had not been home in over a year, and I was talking to this particular station . Al, I think we were using your FT-101. I had heard this familiar female voice. It was WN5LYJ {now WB5LYJ}. This was her first Field Day. We had talked for approximately 10 minutes. I don't remember much after that other than I was a very happy individual.

I do remember when Richard Nixon had frozen all military discharges & out processing {including mine} and the Nation had gone to defcon 2, because he was mad at the Russians. Dr. Donald Rose {DJ} was playing the Rolling Stone's song "Satisfaction" on KFRC - San Francisco at that instant. How appropriate. We had switched off AFRTS. Why am I being issued a M1911A1 with 50 rounds of ammo when we can see the Russian Embassey, loaded with their roof mounted ELINT antennas, on top of the Hill in San Francisco ? All military leaves were cancelled. All orders were sealed & "Eyes Only". All Fleet Marine Force Units were to report for embarkation, and all ships were to get underway ASAP. Half of my gear was already enroute home, but I still had the HW-7 with me. All shore based Marines & USN personal were being issued full combat gear & live ammo. No one was allowed on or off the base. The pucker factor was now over 100%. A few of the hams were issued orders to return to the fleet. A few weeks later, all was forgiven.

I do remember a certain message from a short-timer @ NAS North Island, through the autodin network, oops, the predecessor to the current day internet. Wait ? Didn't Al Gore {VP - USA} invent the internet ? ;-) The addressee was listed as "From: Eat My Shorts, NAS North Island, Calif.." . Let's see, Bill Clinton was alledgely not exhaling & no where near San Diego, Calif. in '74. We all had a great laugh about that one, since it was sent to the whole fleet. A service message had shown up a few hours later with the corrected address. We never did hear what had happened to the Chief RM on watch. We were told to destroy all copies of the message. The original spam message.

I was honorably discharged from the USN @ NAS Alameda, and caught a flight home. Like most of us, no fan fair, just a quiet plane trip home, on a commercial airline, in civilian clothes. I did not trust the USN to

ship my HW-7, home, in one piece, so I had carried it in a "dee-dee bag" on board with me. My Mom & WN5LYJ had met me at the old Albuquerque airport.

WN5LYJ, as a teenager, had become interested in Amateur Radio, because of her Dad, WA5MBD.

As for WN5LYJ, well She had talked me into enrolling at UNM - Albuquerque. I had felt out of place in a university educational environment. Oh no ! The '60's had spilled over into the '70's. I had joined the UNM ARC, and built 1KW amps, but that is a story for another time.

WN5LYJ {now WB5LYJ} ? Well, we have been happily married for the past 21 years. Her favorite mode of operation is still cw.

HW-7 ? It still sits in a place of honor, on the top shelf in a very messy radio shack. It was the primary rig for the '75 Field Day, until we had figured out what was wrong with the QRO radio. Who had wired the xcvr for 220 VAC ? ;-) Gee, I would never do anything like that. ;-) Amazing how those radios can wire themselves incorrectly.

What happened to K0FRP ? You can ask him, he is an active member on this list, and occasionally, we converse for a short period of time on the air during QRP Contests. I can still remember Al's callsign phonetics. The ones not used over the radiowaves.

I wish I could find a certain GRC-109 to place on that shelf with the HW-7.

If anyone hears about LCC-19 {USS Blueridge} being decommissioned, let me know. I hope they leave the antenna array intact. Anyone want to do some qrp maritime mobile with a rotatable HF rhombic ?

I have been aboard the "Enterprise", but that was before the dilithium xtal mods. WE-1's were the power source then. ;-)

2 to beam up.

DM65qd Albuquerque, NM USA

K6NCG, K6NCJ, KH6SP ARCs & current HW-7 owner

72,...Jay, WA5WHN

ex - member of

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Date: Tue, 2 Jun 98 11:21:12 PDT
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: qrp-l@lehigh.edu (qrp)
Subject: [12253] WPX qrp from VE7, and bye for now.
Message-ID: <9806021821.AA08031@wizard.ucs.sfu.ca>

Well, conditions were pretty poor up here. Had hoped to do much better, but with the A index never dropping below 20, it was not to be. Ron had a great signal up here the first night, but don't recall working any others from the list. Tried the VX7 prefix to see if it might attract some of the sunday morning prefix hunting crowd, but can't be sure if it helped. Had to spend a few minutes at the end of the contest convincing one European that I wasn't a 4X7 ?-).

I will have to unsubscribe soon and make other server arrangements. Hopefully I will get the 56k link up and running in time to get in on the Fox fun in the fall.

My thanks to the vast majority of you who have displayed the very best of the ham spirit.

>
>
> CQ WPX SUMMARY SHEET
>
>
>
> Contest Dates : 30-May-98, 31-May-98
>
>
> Callsign Used : VX7CFD
> Operator : VE7CQK
>
> Category : SOAB/QRP/p MAXIMUM POWER 5 WATTS
>

```

> Default Exchange : 5NN #
>
>      Name : PAUL ERICKSON
>      Address : 3371 WEST 31ST AVENUE
>      City/State/Zip : VANCOUVER, BC, V6S 1X6
>      Country : Canada
>
>
>
>
>      BAND      Raw QSOs      Valid QSOs      Points      Prefixes
> -----
>      80CW        3           3           8           3
>      40CW       77          74          298          40
>      20CW      278         269          563         129
>      15CW       28          26           51           7
> -----
>
> Totals          386          372          920          179
>
>
>      Final Score = 164680 points.
>

```

--

cheers, Paul - VE7CQK email: paul1@wizard.ucs.sfu.ca

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-----
Date: Tue, 02 Jun 1998 18:22:18 +0000
From: Ed Loranger <we6w@qsl.net>
To: mgipe@reliablemeters.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [12254] Re: 1997-1998 Foxhunt Fireside Literature Awards
Message-ID: <357442DA.5EA3@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```

Thanks for putting this all together Mike. It really
augments the fox hunt -- reading all those stories
was great!

Let's do it again next year!

Now where's that special frame...

-Ed Loranger, "Certificate of Meritorious Merriment" :)

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 2 Jun 98 08:20:51 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-l@Lehigh.EDU
Subject: [12255] Kites
Message-ID: <9806021820.AA22327@krypton.nmr.Hawaii.Edu>

The Weather Service both in the US and abroad, made extensive use of kites for lofting weather instruments in the period from 1880 to 1920. Also kites were tested for man lifting in the same period, for applications like military observer.

The winged box kite was the champion in all cases. That was before the parafoil kites we have today.

Any good kite store will be loaded with the fancy aerobatic kites, but they should also have excellent lifters if you know what to ask for:

1. The classic box kite. This was a standard, considered by some hard to fly.
2. The winged box kite. Probably the best of the rigid kites. The triangular winged box kite is a great lifter.
3. The parafoil. A commercial company makes two sizes usually available. They are attractive because they fly at higher string angles than the box kites, more vertical. They pull like a deamon. They wad up into a stuff sack that is very easy to transport.

The parafoil along with the sleds have a disadvantage in gusty winds. They will collapse in the air and fall like a rock, all the way to the ground if they do not reinflate in time. The rigid kites are far more immune to gusty winds. But they have spars etc, that make them harder to pack.

The Scott Sled and its variants is a good stable kite that is spared in one direction only, front to back. The Allison Sled is a variant of it. For wind measurements I have flown tethered sleds in the

trade winds for weeks at a time. Our record was nine days that a sled stayed up, staked to the ground, day and night, through land breeze/sea breeze transitions, with no intervention. It was finally collapsed and knocked down by a nasty gusty roller of air. It took seconds to shake it open and relaunch it.

The Weather Service standardized on the "French Box Kite", a triangular winged box kite. They flew trains of these kites to increase lift and stability since they sampled air at multiple levels, much like space diversity receiving. One such train of kites was flown to 27,000 feet!

On the top of Mauna Kea (13,380 feet) I have flown a small sled through two changes of wind direction and been able to look up and see the kite string make a full spiral above my head as it rose the several thousand feet to the kite itself. The string was very small but Kevlar with an incredible breaking strength that would slice off fingers before it broke.

One last word. If you get a decent kite, like a six foot triangular box kite or a big 7.5 Parafoil, also get some decent cord, something well over 125 pounds. Also purchase some heavy duty leather gloves. Do not underestimate the potential dangers of flying a large kite in any kind of wind. These kites are renowned as lifters for a reason.

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

Date: Tue, 2 Jun 1998 15:07:14 -0400
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-l@lehigh.edu
Subject: [12256] Kites
Message-ID: <85256617.00681F9F.00@dpinet01.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Very interesting note about the various kites. Lots of good warnings about using gloves, etc too for finger and hand protection. Wanted to mention that we used to fly our kites with a short, stiff fishing rod with a bait-casting type of reel which worked really well. Penn has several inexpensive salt-water reels that work well for this and hold lots of braided dacron line. These are probably the cheapest reels you will find for this purpose. Kevlar line would be nice too - it just did not exist

when we were doing all this! Once you get it up, you can then fasten the line to a ground stake, etc. The reel makes it really nice when it is time to bring her down.

Watson/WB4EXW

----- Forwarded by Watson R Gabriel Jr/Gen/DukePower on
06/02/98 02:53 PM -----

Please respond to mike@krypton.nmr.Hawaii.Edu

<snip>

One last word. If you get a decent kite, like a six foot triangular box kite or a big 7.5 Parafoil, also get some decent cord, something well over 125 pounds. Also purchase some heavy duty leather gloves. Do not underestimate the potential dangers of flying a large kite in any kind of wind. These kites are renowned as lifters for a reason.

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

Date: Tue, 2 Jun 1998 12:15:44 -0700 (PDT)
From: camqrp@cyberg8t.com (Cam Hartford)
To: qrp-l@lehigh.edu
Subject: [12257] Field Day List
Message-ID: <199806021915.MAA25115@key.cyberg8t.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-Lers -

I've seen several posts regarding Field Day already. Seems the bug has been biting. There have been a few notes describing how individuals have either decided to take the QRP FD plunge, or have convinced a traditional local QRO group to try QRP for a change. Congratulations! This can be quite a challenge, considering the momentum that needs to be overcome.

In light of the increasing interest in QRP Field Days, I've decided

to post a list here on QRP-L of FD groups who are definitely going to go the QRP route. I always enjoy running across other known QRPers during FD, but some of the groups use unrecognizable club calls.

If you are doing a QRP Field Day, send me the following info - Call you will be using, Club Name (if any), a list of operators (if known) and operating location. I'll post the list here on the mail list and update it as FD draws closer.

Yesssss, I can feel those antennas straining to leap into the trees already...

72/73,

Cam N6GA

Date: Tue, 2 Jun 1998 15:30:30 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-l@lehigh.edu>
Subject: [12258] QRP-L assumptions
Message-ID: <199806021933.PAA05442@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

When reading the QRP-L list, I make the following assumptions about each letter:

1. The writer is above average in intelligence.
2. He has a legitimate statement to make or question to ask.
3. He writes using the best of his ability, judgement and understanding.
4. He has no intention to insult or deride any person, even though he may have a difference of opinion, experience or judgement.
5. He is an honorable, ethical person deserving my respect.
6. He, like myself, is capable of error.
7. Error does not make us any less respected in the eyes of our creator. We must constantly search for the most true among the partial truths.

I use the same assumptions if the writer is female. :-)

Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not necessarily. -- Benny Hill

Date: Tue, 2 Jun 1998 15:46:02 -0400
From: John Mckee <JMckee@RFMD.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [12259] SST key-down pop
Message-ID:
<c=US%a=_%p=RF_Micro_Devices%l=PACHACUTEC-980602194602Z-18954@proxy1.rfmd.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Does anyone know a cure for the key-down pop in the
SST audio output?

Tnx es 72

John WB4OFT
jmckee@rfmd.com

Date: Tue, 02 Jun 1998 13:01:48 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [12260] GPS question results
Message-ID: <35745A2C.77B87085@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Whew. Many, many, people responded to my question about an inexpensive GPS
receiver
for hiking. Thanks to all of them, and here is some of what I learned:

1) Never depend on a GPS to get you back; make sure you know how to use a compass
and
map.

2) Newer parallel 12-channel GPS receivers are much better than older ones that get fewer satellites at one time, especially when you are in a valley or an area with tree cover.

3) I got more votes for the Garmin GPS-12 than any other receiver. It costs about \$150. Some recommended the 12XL, which has a lot of nice features, but costs about \$225. A few recommended the older Garmin GPS-38 which is available now for about \$100, but others specifically recommended against it. There were scattered votes for other units. Walmart is a good place to look for a GPS.

4) Fancy units that display maps are OK for use in a vehicle, but the maps aren't good enough for hiking.

I wouldn't have posted this, except I received quite a few messages asking me to do so -- and after all, the satellites are QRP!

Vic K2VCO

Date: Tue, 2 Jun 1998 13:41:14 -0400
From: "Jay Heffner" <cjayheff@erols.com>
To: <qrp-l@lehigh.edu>
Subject: [12261] 38s audio mod
Message-ID: <01bd8e4d\$a3ca92f0\$0100007f@scs-micron1.eng.usps.gov>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_001D_01BD8E2C.1CB8F2F0"

This is a multi-part message in MIME format.

-----=_NextPart_000_001D_01BD8E2C.1CB8F2F0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I recently purchased & built a NorCal 38s, a super rig by the way, but I = was sick of being shackled to the headphones (I dunno.....mabe it's = just me). So I hooked up the 38s to my Kenwood external speaker. The = audio level however, was not so great. So, I added a LM386 amp onto it = and.....WOW! Tons of audio! Just to test how good the amp was, I tuned = in a weak station around 10.106, and, although he was weak, it was still =

FB copy. I disconnected the LM386 and.....I could barly even tell he =
was in there, much less copy him!=20

=20

TNX fer the bandwidth, es hope this is of some use to you all.

=20

73/72,

Craig, KF4NYZ

-----=_NextPart_000_001D_01BD8E2C.1CB8F2F0

Content-Type: text/html;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

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<META content=3Dtext/html; charset=3Diso-8859-1 =

http-equiv=3DContent-Type><!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 =

HTML//EN"><!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">

<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV>I recently purchased & built a =
NorCal 38s, a=20

super rig by the way, but I was sick of being shackled to the headphones =
(I=20

dunno.....mabe it's just me). So I hooked up the 38s to my Kenwood =
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<DIV> </DIV>

<DIV>TNX fer the bandwidth, es hope this =
is of some=20

use to you all.</DIV>

<DIV> </DIV>

<DIV>73/72,</DIV>

<DIV>Craig, =

KF4NYZ</DIV></BODY></HTML>

-----=_NextPart_000_001D_01BD8E2C.1CB8F2F0--

Date: Tue, 2 Jun 1998 16:10:39 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [12262] Euramcom Equivalents
Message-ID: <199806021610_MC2-3EEF-7FB2@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi Guys,

Could a couple or so of you go look at the EurAmcom equivalents pages and= check out the French and Spanish translations for me please!

Preferably native speakers who could check if the translations are French= and Spanish versions of what I call fractured English, you know, the stuf= f you get in far eastern consumer electronics >>>

Switcher the on button to the going position for the mixer to be rotating in a circular turning.

=

=

<<<<< and then let me know what can be done to improve= them a bit. I intend to re-do the pages to feed from a French, Spanish an= d English line to the basic information in figures where possible, but that= will come later when the info has been finished.

Check out < <http://members.aol.com/euramcom/welcome.html> > =

72 and 73 de Mel
GM6JAG
Edinburgh, Scotland UK
Home of the last HW9

Area Chairman, British Caravanner's Club
Web Pages <<http://users.aol.com/bccscot/page1.html>>

Alternate e-mail address: <melgm6jag@aol.com>

Authorised at 11kv, 33kv, and up to 275kv

Check out < <http://users.aol.com/euramcom/welcome.html> >
for details of euro-american components equivalents!

Date: Tue, 2 Jun 1998 16:31:54 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [12263] Re: GPS question results
Message-ID: <Pine.LNX.3.93.980602162401.964A-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 2 Jun 1998, Vic Rosenthal wrote:

> so -- and after all, the satellites are QRP!

Not as much as you would think. I'm sure the GPS sats are lower power, but I've been playing with some commercial Ku band stuff before I attempt 10GHz. The DirecTV sats have 16 x 120 watt transponders! That's over 1900 watts, a lot of solar panels. Hmm... they're 22,330 miles away... 120 watts... 185 miles/watt, where's the fun in that :)

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 28/13(w/c) | <http://dns.vidtel.com/~ccart> --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 02 Jun 1998 16:37:59 -0400
From: jim nestor <nestoji@home.com>
To: qrp-l@lehigh.edu
Subject: [12264] 2m repeaters in Barcelona?
Message-ID: <19980602204245.AAA22458@cc652944-a.ewndsr1.nj.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Does anybody have a list of 2 meter repeaters that includes Barcelona, Spain?

I checked the 1998 ARRL Repeater Directory but Spain was not listed. I have also searched around on the Web with no luck either.

Plan to take an HT to Barcelona in a couple weeks and wonder if there will be any activity there.

BTW, thanks to the able assistance of some on this list, I applied for a received a permanent reciprocal license for the UK.

I've ordered an SST for 20m to throw in the briefcase and try out later this Summer.

Looks like there is a lot of 2m SSB and CW activity in Europe. Now, what I need is a 2m SSB/CW rig about the size of an SST or 40A. Any ideas? Maybe a 14/144 Mhz transverter in an Altoids box? Oh, yeah... how about an inflatable 2m yagi?

Seriously, anybody got an FT-290 for sale?

I also ordered a couple of TICK keyers for my little rigs, and the EPS-1 DC-DC converter from Embedded Research. It takes anything from 2v on up and produces regulated 12v at 500ma constant load, maybe an amp at reduced duty cycles. Could be handy to run a QRP rig from a couple of AAs. I'll post a review of the EPS-1 when I get it built.

72,

Jim, WK8G/2 and M0BRQ
nestoji@home.com

Date: Tue, 02 Jun 1998 17:04:28 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: penzo@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [12265] Re: Elmer101: Part 6 yet?
Message-ID: <357468DC.271@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael A Penzo wrote:

>
> Is it time for part 6 yet? Sorry to be a pest but I'm really enjoying
> this project...

No, sorry. I haven't posted it yet. Unfortunately I've been in over my head at work, and just found out today that I've been transferred to a different department :-(That's like getting married again.....

I wrote up part 6 on the airplane ride home yesterday. I need to build it up and test it before I post. If I can stay awake then it will be tonight.

Sorry for the hold up, I'll try to keep up the pace (I want to get done too!)

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Tue, 2 Jun 1998 17:57:28 -0400
From: wd4et@juno.com
To: camqrp@cyberg8t.com
Cc: qrp-1@Lehigh.EDU
Subject: [12266] Re: Field Day List
Message-ID: <19980602.181415.3990.0.wd4et@juno.com>

Cam,

I expect to operate natural power QRP for our local club here in Jacksonville, FL. The club is North Florida Amateur Radio Society. The club is overwhelmingly QRO. However, they like to get the 100 bonus points when I operate my NC40A on solar power. One of the big guns commented last year that "you could make as many contacts as you want!". I wasn't suprised, I'm used to making contacts on less than 2 watts.

72, Jeff Greer

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 2 Jun 98 12:18:53 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-l@lehigh.edu
Subject: [12267] Lift tables for balloons
Message-ID: <9806022218.AA22942@krypton.nmr.Hawaii.Edu>

Since it is time for FD wierdness, I have cleaned up an old file
I wrote on lift of balloons with various gases and put it on my
web page.

www.chem.hawaii.edu/uham/lift.html

Don't blow yourself up.

Remember that while otherwise attractive:

#1 hydrogen is flamable and explosive in air mixtures
#2 there is a high voltage point at the end of an antenna wire,

like where the balloon is if you tie the antenna directly to the
balloon without good insulators?

As in, first "dit" goes "boom" and all fall down.

Bic ball point pen barrels make wonderful light weight insulators
BTW. Great for all kinds of clandestine antenna systems as a companion
to magnet wire. You can "drill" them with a needle heated with
a Bic lighter.

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

PS I do not work for BIC and other disclaimers

Date: Tue, 2 Jun 1998 18:41:32 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [12268] Lost Foxii
Message-ID: <Pine.3.89.9806021814.C28363-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Up to today, I've logged about an even dozen foxes on 10M. I have been using NA to log with and keeping the other pertinent information (names, qrp-l nr's, power, etc.) in a note file. Somehow, yesterday the note file was deleted. So why bother to mention it? Please, if you hear me hollering CQ QRP-L and you think we already exchanged pelts, give me another call anyway - we probably haven't!

I call NA from a batch file. Now it's fixed to put a read-only attribute on the note file when I exit NA. Sort of like closing the barn doors after the horse escaped, or however that goes...

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Tue, 02 Jun 1998 16:52:17 -0600
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-l@Lehigh.EDU
Subject: [12269] RFI: Tower guying tips
Message-ID: <35748221.A1FD2B4@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings,

Can anyone point me to a newsgroup or list that I should ask questions concerning tower guying to?? In particular, I am looking for guidance concerning EHS cabling, clamps, guy grips, etc. The questions are ultimately ham related but definitely not QRP related, so I apologize for the bandwidth and appreciate the pointers. BTW, I am designing a tree house for my daughter and plan on providing redundant supports via cable.

tnx es 72 - john - n0hj

John A. Evans

Office: (719) 528-1800 x164

Chief Systems Administrator

Titan Software Systems

Fax: (719) 528-1888 1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

Date: Tue, 02 Jun 1998 18:58:25 -0400
From: Tim English <tje@usol.com>
To: qrp-l@Lehigh.EDU
Subject: [12270] Gel Cell battery response
Message-ID: <199806022303.TAA11783@bsdi.customweb.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The response to my gel cell batteries ad was tremendous. Thanks to all and batteries are being shipped now. I still have several 4, 6 and 7 AH used cells available that should provide a good 2-3 more years of solid usage. All cells I ship have been charged and load tested before shipping. If anyone would like to get in on one or more of these cells please email me. These are sealed, non-spillable gelled electrolyte cells and are perfect for powering any type of QRP rig. They can be charged with a 1 amp automotive charger or simple wall wart type charger designed for 12 volt charging. Radio Shack handles these. Hope to hear from you.

--
72/73,
Tim, K8TJ

End of QRP-L Digest 1110

